

PUBLIC HEALTH Laboratory Services





Public Health Laboratory Health Care Agency County of Orange 1729 West 17th Street Building 40 Santa Ana, CA 92706

Hours: Monday - Friday 8:00 a.m. to 5:00 p.m.

Accreditations:

CLIA	05D0643378
State of California	0974
ELAP	1275
AIHA	154879
Federal Tax ID	95-6000-928
Medicare Provider Number	05L009046
CAP Proficiency Program	23428-01-01-01
AAB Proficiency Program	600974
Wisconsin State Laboratory of Hygiene	4244

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LABORATORY PHONE NUMBERS

Main Line: (714) 834-8385 Fax: (714) 834-7968

Weekend-

Emergency Line (714) 720-1116

DEPARTMENT	SUPERVISOR	PHONE NUMBER
Laboratory Director	Richard Alexander MS MPH	(714) 834-8385
Laboratory Manager	Vacant	(714) 834-8385
Virology/ Immunology	Kathryn Krusel	(714) 834-8390
Bacteriology/ Clinical Microbiology	Paul Hannah	(714) 834-8327
TB/Mycology Parasitology	Minoo Ghajar	(714) 834-8292
Molecular/PulseNet	Julia Wolfe	(714) 834- 8521
Water Quality	Joseph Guzman	(949) 219-0424
Information Systems	Doug Schan	(714) 834-7850
Supplies/Specimen Receiving Courier Service	Paterno Lopez	(714) 834-8401
Media Room	Aisling Morgan	(714) 834-8325

OTHER USEFUL PHONE NUMBERS

Reportable Diseases: (714) 834-8196 (FAX)

Epidemiology: (714) 834-8180 Animal Control: (714) 935-6848 Vector Control: (714) 971-2421

To report a Public Health Emergency after hours call: (714) 628-7008 Ask to speak to Public Health Services On-Call Official

ORANGE COUNTY PUBLIC HEALTH LABORATORY SPECIMEN SUBMISSION INSTRUCTIONS

I. SPECIMEN COLLECTION

- A. Collect specimens in containers appropriate for the test requested. See Test Request Information.
- B. Use media or collection containers with current expiration dates.
- C. Hold specimens under correct conditions before transport. See test request information.
- D. Observe time restrictions on collection and transport to the laboratory.

II. SPECIMEN IDENTIFICATION

Label specimen container with patient's last name, first name and middle initial. For anonymous HIV testing only, use the identification number. The name or anonymous HIV number on the specimen must be exactly as written on the test request.

- A. Initials in place of the first or last name are unacceptable.
- B. The specimen cannot be processed without the patient name or anonymous HIV number. See specimen Quality Assurance.

III. TEST REQUEST FORM

- A. **REQUIRED INFORMATION** The specimen will not be processed without the following:
 - 1. **PATIENT NAME** Type the patient's last name, first name and middle initial. For anonymous HIV testing only, use the identification number. The name on the request form must be <u>exactly</u> as written on the specimen.
 - a. Initials in place of first or last name are unacceptable.
 - b. Use card imprint or labels only when the information is legible when placed in the correct space.
 - 2. **CLIENT NUMBER (Submitter Number)** Type the assigned client number in the space provided. DO NOT WRITE OTHER NUMBERS IN THIS SPACE. If the client number is not known, call the laboratory office (714) 834-8385.

-or-

- **CLIENT INFORMATION** Type in the name and address of the submitting client or clinic if you do not have a "Client Number".
- 3. **DATE SPECIMEN TAKEN** Type the date the specimen was collected.
- 4. **SPECIMEN SOURCE** Check the appropriate box for Specimen Source. Check only one. If the appropriate source is not available, write the source on the line next to "other".
- 5. **TEST** A test or tests must be requested by authorized individual
 - a. Check the appropriate Culture or Immunology test box. See Test Request Information.
 - b. Submit one specimen for each test requested.

EXCEPTIONS: One specimen may be submitted for each of the following combinations.

- i. Urine for urinalysis (UA) and Culture and Sensitivity (C & S) aerobic culture.
- ii. Stool for enteric bacteriology (Salmonella, Shigella, E. coli and Campylobacter).
- iii. Genital swab for C & S aerobic culture (includes *Gonorrhoea* and aerobic bacterial culture and sensitivity.
- i.v. Blood for multiple serological tests (RPR/VDRL, Hepatitis Markers, HIV and miscellaneous serology).
- **B. OTHER INFORMATION** This information will appear on the patient report.
 - 1. **PATIENT ADDRESS** Type the patient's address.
 - 2. **PHYSICIAN INFORMATION** Type the name, address and phone number of the attending physician if different from the client (submitter). *This space may be used for additional clinic subdivisions or coded information (nurses codes, clinic code, etc.)*
 - 3. **CLIENT PATIENT NUMBER** Type the patient identification number or code. Please be accurate.
 - 4. **BIRTHDATE**, **AGE**, **SEX** Type the patient's date of birth, age and sex.

- IV. **REFERENCE CULTURES** (send an actively growing, pure culture for identification) **Please use the Orange County Public Health Laboratory Test Request Form.**
 - A. Check the appropriate box on the Test Request Form for "Reference Culture".
 - B. Check the box for the original specimen source.
 - C. Complete the CULTURE REFFERED AS section and include any relevant history or laboratory findings in the Other Test/Notes section at the bottom of the laboratory slip.

V. TRANSPORT

- A. Check that both specimen and test request form are labeled with identical spelling of the **patient's last name, first name and middle initial** or if anonymous HIV Antibody Test with the patient's identification number.
- B. Ensure the test(s) requested are appropriate and correlate with specimen collected.
- C. Retain the **last copy** of the request form for your records.
- D. Ensure the integrity of specimens before transport. Screw caps down tightly. Check for punctures or leakage.
- E. Place completed Specimen Test Requisition in the outer pocket of the laboratory specimen bag.
- F. Place the labeled specimen in the zip lock section of the laboratory specimen bag.
- G. Zip the bag.
- H. Arrange for pick up or delivery. See Courier Schedule or Specimen Collection Stations.
- I. Changes to information on the test request form must be requested by the submitter in writing. FAX authorized written change requests to (714) 834-7968.

VI. SPECIMEN QUALITY ASSURANCE CRITERIA

To help assure quality testing and to meet federal and state regulations, the laboratory has strict requirements for specimen identification.

- A. The following specimens do not meet quality assurance standards and will not be tested.
 - 1. Specimen or request form lacking patient name or anonymous HIV number.
 - 2. Specimen with compromised quality (e.g. collected in improper or expired container, received leaking or broken, or past acceptable transport time).
 - 3. Test request without client number or client name and address.
- B. The following specimens do not meet quality assurance standards. The client will receive a telephone call requesting correction.
 - 1. Test request without specimen source, date taken or test request will not be tested until the information is received.
 - 2. Missing information must be provided in writing by Fax (714) 834-7968 by 4:30 p.m. the next working day following notification.
- C. The following specimens do not meet quality assurance standards and will not be tested until corrected by a physician or nurse practitioner.
 - 1. Specimen whose patient name does not match name on test request EXACTLY (i.e. identical spelling of all names).
 - 2. Client will be notified of mismatched identification by telephone.
 - 3. A physician or nurse practitioner must come to the laboratory and make corrections on the test request form, and sign the corrections.
 - 4. Corrections must be made by 4:30 p.m. the next working day following notification.



Red indicates required information

CLIENT INFORMATION (REQUI	RED)					
			PATIENT II	NFORMATION		
		HCA MEDICAL RECORD NUMBER				
		PATIENT NAME (LAST, FIRST, I	MIDDLE)			
		Transcription (Grant, 1 and 1,				
		STREET ADDRESS / APT #				
OTHER CLINICIAN INFORMATION (if diffe	rent from above)	OTHEET ADDRESS / AFT V				
NAME / CLINIC CODE / PHONE #		CITY / STATE / ZIP / PHONE				
		GITT/SIAIE/ZIF/FHONE				
STREET ADDRESS		DATE OF BIRTH	AGE	GENDER		
		DATE OF BIRTH	Alat		ALE FEMALE	
CITY/STATE/ZIP		OUT THE PATER THE PARTY OF THE		Ш		
		CLIENT PATIENT NUMBER				
SPECIMEN SOURCE (REQU	IRED)			COLLECTION IN	FORMATION	
□ Throat □ Stool □ Rectal Swab	□ Sputum □	Aerosol (D1, D2, D3, F)	DATE (MM/DD	YYYY)	TIME (HH:MM)	
□ NP □ CSF □ Urine	□ Ear □	Respiratory Processed			□ AM	
□ Genital □ Oral Fluid □ Pinworm Paddle		Other(Specify)	COLLECTED	BY	□ PM	
□ Serum □ Plasma □ Whole Blood		Tissue				
AcuteConvalescent Onset Date		pecify Site:				
		T (REQUIRED) OR		Application of the Control of the Co	MANAGE PROPERTY OF THE PROPERT	
☐ B4 Bacterial Culture for Identification, Aerobic		um Culture for Identification		/4 Viral Culture fo	r Identification	
 □ B5 Bacterial Culture for Identification, Anaerobic □ B13 Gonorrhea, Culture for Identification 		um tuberculosis Culture cation and Susceptibility	1			
□ B20 Salmonella/Shigella, Culture for Identification		um tuberculosis Culture				
☐ M2 Mycology Culture for Identification		ortable Disease Only Culture Referred As: (REQUIRED)			As: (REQUIRED)	
	CLINICALTE	ST (REQUIRED)	10/11			
BACTERIOLOGY	MYCOBACT	TERIOLOGY		VIRAL LO	DAD	
☐ B1 Aeromonas Culture	☐ T1 Mycobacterium	Culture and Sensitivity	□ S68	HIV 1 Viral Load,	TaqMan	
□ B2 Bacterial Culture and Sensitivity, Aerobic	□ T3 Mycobacterium	Smear	SEROLOGY			
 B3 Bacterial Culture and Sensitivity, Anaerobic 	☐ T4 Mycobacterium ☐ T5 Mycobacterium	tuberculosis complex NAAT	□ S18 Hepatitis Acute Panel			
□ B6 Bordetella pertussis Culture and PCR	Antimicrobial		2 010	Hepatitis A Ig		
□ B7 Campylobacter Culture	TOTAL PROPERTY OF THE PROPERTY	SITOLOGY	15	Hepatitis B Co		
☐ B8 Clostridium botulinum Toxin	□ P1 Arthropod Ident	Control of the Contro		Hepatitis B St Hepatitis C To	urface Antigen Screen	
□ B9 Diphtheria Culture		n/Giardia Screen	□ S19	Hepatitis A IgM A		
□ B10 Escherichia coli (STEC) Culture	☐ P3 Cyclospora Scre	een	□ S67	Hepatitis A Total A	Ab .	
□ B12 Gonorrhea Culture		olytica/Entamoeba dispar	□ S20	Hepatitis B Core I		
□ B14 Gonorrhea, Microscopic Exam	Differentiation P5 Helminth Identif		□ S21 □ S22	Hepatitis B Core T Hepatitis B Surface		
□ B15 Haemophilus ducreyi Culture	□ P6 Isospora Screen		□ S23		e Antigen Antibody	
□ B16 Legionella Culture	□ P7 Malaria/Blood P	arasites Screen	□ S24	Hepatitis C Total A	Antibody	
□ B17 Occult Blood	Screen te Exam	□ S31 □ S28	HIV 1, 2 Antibody HIV 1 Oral Fluid S			
☐ B19 Salmonella/Shigella Culture ☐ B21 Streptococcus Group A Culture	ie Exam creen	□ S43	Measles Antibody			
☐ B22 Syphilis Darkfield, Microscopic Exam		□ S58	Syphilis Screen			
B25 Urinalysis	Screen	□ S59	Syphilis TP-PA Co			
B27 Vibrio Culture		OLOGY	□ S61	Toxoplasma Antib		
B29 Yersinia Culture	□ V1 Chlamydia/Gon □ V2 Rabies DFA	orrhea NAAT		SEROLOG	The state of the s	
	□ V3 Viral Culture		□ S32	Immunology Othe	r Antibody	
MYCOLOGY	□ V5 Viral Culture, He	erpes Simplex Virus			200	
☐ M1 Mycology Primary Culture	□ V8 Influenza PCR			S	pecity	
Other Tests / Notes:					F042-05.1360 (10/09) - DTP472	

LABORATORY SUPPLIES - for County Clinics

LABOR	ATORY SUPPLIES - for (County Clir	nics
Anaerobic Transport Tube	Bacterial Culture		Call the OCPH-Lab Bacteriology Department at (714) 834-8327
BACTEC Blood Culture Bottles – Adult	Aerobic and Anaerobic Blood Cultures		Call Central Processing
BACTEC Blood Culture Bottles - Pediatric	Aerobic and Anaerobic Blood Cultures		(714) 834-8401
Bacterial Culturettes (Modified Amies Clear Media)	Bacterial Transport Media		
Blood Collection Tube w/EDTA Lavender Top	Viral Load Testing		Call Purchasing at (714) 834-2188
Blood Serum Separator Tube (SST) Tiger Top, Plastic Only	Serology Testing		
C&S Vial (Culture and Sensitivity)	Enteric Pathogens i.e. Salmonella and Shigella	25 Vials	Call Central Processing (714) 834-8401
Chlamydia Swab Collection Kit – Aptima Purple Box)	Chlamydia and Gonorrhea NAAT testing (Nucleic Acid Amplification Testing)		
Chlamydia Urine Collection Kit – Aptima (Yellow Box)	Chlamydia and Gonorrhea NAAT testing (Nucleic Acid Amplification Testing)		
Fresh Stool Collection Vials	Tests requiring a fresh stool sample		
GC-Lect Plates	Gonorrhea Cultures		
Hemoccult Slide	Occult Blood Testing		Call Purchasing at (714) 834-2188
IMA Slant (Inhibitory Mold Agar)	Fungal Cultures		Call Central Processing (714) 834-8401
O&P Collection Kit – 2 Vials (10% Formalin and PVA)	Identification of Ova and Parasites in Stool Samples	25 Kits (RPHS=100 Kits)	
Orasure Oral Fluid Collection Kit	HIV Testing	,	
Pinworm Paddle	Isolation and Identification of Pinworms]
Regan-Lowe Transport Bottles and CAS Broth	Bordetella pertussis Culture		
Requisition Forms	To be used when LIS is down. Form is to be completed and accompany each specimen submitted to the OCPH-Lab.		
Specimen Bags	Bag to Transport specimen and Lab Slip together in separate compartments		
Sterile 15 ml Conical Tube	Specimen Container]
Sterile 50 ml Conical Tube	Specimen Container]
Sterile Screw-cap Tube with 0.5 ml Sterile Buffered Water	Haemophilus ducreyi Transport Media		
Typhoid Urine Kits	Typhoid Clearance Cases	25 Kits	
Jrine C&S Transport Kits Grey-Top Tubes	Urine Cultures and Sensitivities and Urinalysis Testing		Call Purchasing at (714) 834-2188
Viral Collection & Transport Kit (VTM)	Viral Cultures	12 Kits	Call Central Processing (714) 834-8401
Water Collection Bottles (Idexx-120 ml Bottle with Sodium Thiosulfate)	Water Sampling		Call the Water Quality Lab at (949) 219-0423

Zebra Printer Specimen Labels		Call Central Processing (714) 834-8401
BACTEC MYCO /F – LYTIC	TB/MYCOLOGY	(, 66.6.6.6.

Courier Pick Up Schedule for Public Health Clinics and Orange County Public Health Laboratory Specimen Collection Stations

A.M. ROUTE - DAILY

ETA	ACCT. NAME	ADDRESS	SPECIAL INSTRUCTIONS
0800	PUBLIC HEALTH LAB	1729 W. 17 th Street Santa Ana	Pick up any reports and/or supplies to be delivered.
0845	JUVENI LE HALL	331 The City Drive S. Orange	Enter through guarded gate marked JUVENILE HALL on N. side of building. Knock on W. Door at S. end of parking area for entrance. Leave lab reports in "Clerical inbox" in clerical office. P/U specimens FM. 153. Check Refrigerator and wire basket on left.
0900		401 The City Drive S. Orange	
	ORANGEWOOD		
0915	THEO LACY JAIL	501 The City Drive S. Orange	Stop at front desk, guard will call dispensary. Pick up from Grand Sta. Near Admin Office on 2 nd floor. SUPPLIES GO TO O.C. JAIL WAREHOUSE
0930	PUBLIC HEALTH LAB	1729 W. 17 th Street Santa Ana	DROP OFF SPECIMENS. Pick up any reports and/or supplies to be delivered.
0945	O.C. JAIL- Men's	550 N. Flower St. Bldg. 42 Santa Ana	Pick up specimens. ANY SUPPLIES LEAVE AT WAREHOUSE
1000	O.C. JAIL- I.R.C.	550 N. Flower St. Bldg. 50 Santa Ana	Pick up specimens. ANY SUPPLIES LEAVE AT WAREHOUSE
1015	EMPLOYEE HEALTH	600 W Santa Ana Blvd., Suite 405 Santa Ana	
1030	PUBLIC HEALTH LAB	1729 W. 17 th Street Santa Ana	DROP OFF SPECIMENS. Pick up any reports and/or supplies to be delivered.
1100	PLACENTIA LINDA HOSPITAL	1301 Rose Ave Placentia	Playmate cooler at information desk in the laboratory.
1130	ANAHEIM MEM HOSP	1111 W. La Palma Ave. Anaheim	Use main entrance only; drop off specimens in the main laboratory.
1150	West Clinic TB/Refuge	14120 Beach Blvd. #118 Westminster	P/U cooler. Do NOT open.
1215	PUBLIC HEALTH LAB	1729 W. 17 th Street Santa Ana	DROP OFF SPECIMENS. Pick up any supplies and/or reports for afternoon deliveries.

P.M. ROUTE - DAILY

ETA	ACCT. NAME	ADDRESS	SPECIAL INSTRUCTIONS
1420	CAST/ORANGEWOOD CHILD HOME	401 The City Drive South, Orange	1 st Floor, BLDG 46B
1440	JUVENILE HALL	331 The City Drive S. Orange	Enter through guarded gate marked JUVENILE HALL on N. side of building. Knock on W. Door at S. end of parking area for entrance. Leave lab reports in "Clerical inbox" in clerical office. P/U specimens FM.153. Check Refrigerator and wire basket on left.
1500	PUBLIC HEALTH LAB 1729 W. 17 th Street Santa Ana		DROP OFF SPECIMENS.
1615	West Clinic TB/Refugee	14120 Beach Blvd. #118 Westminster	P/U Cooler, Do NOT Open.
1700	PUBLIC HEALTH LAB	1729 W. 17 th Street Santa Ana	DROP OFF SPECIMENS.

MISC ROUTE - DAILY

ETA	ACCT. NAME	ADDRESS
11:00	Mission Hospital Regional Medical Center	27700 Medical Center Dr 92691
12:30	Laguna Beach Community Clinic	362 Third St. Laguna Beach 92651
13.40	Hoag Hospital	1 Hoag Dr. Newport Beach 92663
15.10	Musick Correctional Facility	13502 Musick Rd. Irvine 92618

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Adenovirus Antibody	SERO	S1	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Aeromonas Culture	BACT	B1	Screening procedure for isolation and identification of <i>Aeromonas</i> sp. utilizing conventional biochemical techniques.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para Pak C&S) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87046 87077
Amebiasis Antibody	SERO	S2	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Arbovirus Antibody	SERO	S3	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Arthropod Identification	PARA	P1	Identification is made by microscopic exam, or referred to Vector Control if necessary.	SPECIMEN: Arthropod or skin scrapings. CONTAINER: If arthropod, use a jar or cup. If skin scraping, use mineral oil to scrape skin, then transfer to glass slide and cover with another glass slide. COLLECTION: If arthropod is alive, place in a jar with a wet towel; if dead, fix with 70-95% alcohol. For skin scraping slide, place in a slide holder. TRANSPORT CONDITIONS: If arthropod is alive, refrigerate at 2-8 degrees C; if dead, room temperature (15-30 degrees C). Skin scraping slide, room temperature.	24 hours (prelim) 1 week (final)	By report	Microscopy	87168
Bacterial Culture & Sensitivity, Aerobic	BACT	B2	Identification of all aerobic organisms found using conventional aerobic culture techniques. Sensitivities performed according to the CLSI guidelines.	SPECIMEN: Blood, urine, sputum, eye, ear, genital, wounds, and abscesses. CONTAINER: Bacterial Culturettes, BACTEC blood culture bottles, BD Urine C&S Transport kit (Gray top), sputum collection bottles. COLLECTION: Blood Cultures -Aseptically collect 8 ml for each bottle (BACTEC Plus Aerobic/F and BACTEC Lytic Anaerobic/F) Urine- Clean-catch midstream collection, 12 ml in a BD transport tube. Sputum-expectoration obtained after a deep cough collected in sterile sputum collection bottle. Bacterial Culturettes are used for genital, eye, ear, wounds and abscesses. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours (Blood cultures and genital swabs) Refrigerated (5±3°C) = 24 hours (Swabs and sputum) 72 hours (preserved urine) Frozen (-15±5°C) = Unacceptable	3 days	Negative	Culture	87040 87088 87070 87186
Bacterial Culture for Identification (Salmonella/Shigella)	BACT	B20	Salmonella/Shigella culture identification and confirmation utilizing conventional biochemical and serological testing techniques.	SPECIMEN: Pure culture isolate CONTAINER: Slant tube COLLECTION: Do not refrigerate or freeze TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = 2 days Frozen (-15±5°C) = Unacceptable	3 days	NA	Culture	87070 87077 87147 87152
Bacterial Culture for Identification, Aerobic	BACT	B4	Aerobic bacterial culture identification utilizing conventional aerobic biochemical testing techniques.	SPECIMEN: Pure culture isolate CONTAINER: Slant tube COLLECTION: Do not refrigerate or freeze TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	By report	Culture	87070 87077

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Bacterial Culture for Identification, Anaerobic	ВАСТ	B5	Anaerobic bacterial culture identification utilizing conventional anaerobic biochemical testing techniques.	SPECIMEN: Pure culture isolate on swab or plated media CONTAINER: Swab in anaerobic transport tube. Isolates submitted on plated media in anaerobic transport bag. COLLECTION: Do not refrigerate or freeze TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	1 week	By report	Culture	87075 87076
Bacterial Culture, Anaerobic (Call laboratory before submitting specimens)	BACT	В3	Identification of all anaerobic organisms found using conventional anaerobic culture techniques.	SPECIMEN: Deep wounds, abscesses, body fluids, tissue, blood CONTAINER: Anaerobic blood culture bottle, swab in anaerobic transport tube. COLLECTION: Blood Cultures - After aseptic collection of specimen inject approximately 8 ml into one BACTEC Lytic Anaerobic/F bottle. Keep at room temperature and send to laboratory immediately. Swabs- Collect under anaerobic conditions using an anaerobe swab. Call the lab for transport tubes. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	2 weeks	Negative	Culture	87040 87075 87076
Blastomyces Antibody	SERO	S4	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Bordetella pertussis Culture and PCR	BACT	B6	Screening procedure for isolation and identification of <i>Bordetella pertussis</i> utilizing conventional biochemical techniques and PCR.	SPECIMEN: Two Nasopharyngeal swabs CONTAINER: Regan-Lowe transport bottles (Charcoal blood media) and CAS broth. (Note: Contact Laboratory at 714-834-8327 for collection materials.) COLLECTION: 1. Regan-Lowe transport bottles - with one swab inoculate the surface of the media by gently rolling the Dacron swab over the entire area. Leave the swab in the media and bend the wire outside the cap. 2. Casamino Acid Solution (CAS) 0.5 ml – place the second swab into the solution and secure the cap tightly. TRANSPORT CONDITIONS: Transport specimens back to the Public Health Laboratory within 2 hours. Room Temperature (25±5°C) = Regan-Lowe bottles Refrigerated (5±3°C) = CAS tube - Refrigerated (2-8°C) Frozen (-15±5°C) = Unacceptable	1 day (prelim) 1 week (final)	Negative	Culture PCR	87070 87077 87798
Brucella Antibody	SERO	S5	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Campylobacter Culture	BACT	B7	Screening procedure for isolation and identification of Campylobacter jejuni utilizing conventional biochemical testing techniques.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para Pak C&S), Note: Buffered Glycerol Saline is unacceptable as a transport medium COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87046 87077

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Chagas Disease Antibody, (<i>Trypanosoma cruzi</i>)	SERO	S6	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Chlamydia Antibody	SERO	S7	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Chlamydia/ Gonorrhea NAAT	VIRO	V1	Qualitative Nucleic Acid Amplification	SPECIMEN: Genital swab or first catch urine CONTAINER: GEN-PROBE APTIMA COMBO 2 swab transport tube or urine transport tube. COLLECTION: See virology specimen collection guide TRANSPORT CONDITIONS: Room Temperature: 2-30 degrees C acceptable, within 30 days (urines), 60 days (swabs) Refrigerated: 2-8 degrees C preferred, within 30 days (urines), 60 days (swabs)	72 hours	Negative	Genprobe, Aptima COMBO 2	87491 87591
Clostridium botulinum Culture & Toxin Testing (Call Laboratory before submitting specimens)	BACT	B8	Clostridium botulinum culture and toxin testing for suspected foodborne and wound cases.	SPECIMEN: Pre-antitoxin and Post-antitoxin serum, stool, gastric, tissue. Standard volumes: Serum from 30cc of blood, 25 grams of feces or 50 ml of enema effluent CONTAINER: Sterile screw cap container COLLECTION: Contact Orange County Public Health Epidemiology Department at (714) 834-8180 for testing approval, specimen collection, and shipping requirements. After hours, on weekends and holidays you may speak to a Public Health Official by calling Orange County Communications Center at (714) 834-7200. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = Unacceptable Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	4 weeks	Negative	Send Out	99001

TEST NAME	DEPT		DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Coccidioides Antibody	SERO	S8	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Cryptococcus Antibody	SERO	S9	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Cryptosporidium / Giardia Screen	PARA	P2	Direct Fluorescent Antibody (DFA) test and/or modified acid fast stain. (DFA test will also detect Giardia). <i>Cryptosporidium</i> is a significant pathogen in HIV positive patients. This is a combination assay for both <i>Cryptosporidium</i> and <i>Giardia</i> .	SPECIMEN: Preserved stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	3 days (final)	Negative	DFA, Merifluor	87300
Cyclospora Screen	PARA	P3	Fluorescent microscopy and/or modified acid fast test on concentrated formalin specimens. <i>Cyclospora</i> is a significant pathogen in both immunocompromised and immunocompetent patients.	SPECIMEN: Preserved stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	4 days (final)	Negative	UV Microscopy, Epifluorescence	87206
Cysticercosis Antibody (<i>Taenia solium</i>)	SERO	S10	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

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TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Cytomegalovirus Antibody	SERO	S11	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Delta Hepatitis Antibody	SERO	S25	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Dengue Fever Antibody	SERO	S12	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Diphtheria Culture	BACT	В9	Screening procedure for isolation and identification of Corynebacterium diphtheriae in suspect cases of diphtheria.	SPECIMEN: Throat exudate CONTAINER: Bacterial Culturette COLLECTION: A throat swab taken from posterior pharynx, and areas of the tonsils showing dull white pseudomembrane. Avoid the tongue and uvula. Dacron swabs are best for collection. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87070 87077
Echinococcus Antibody	SERO	S13	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Entamoeba histolytica / E. dispar Differentiation	PARA	P4	EIA test. Entamoeba histolytica is pathogenic whereas Entamoeba dispar is not. Do not order test unless previous positive by routine ova and parasite exam. EIA will confirm presence of the pathogen.	SPECIMEN: Unpreserved fresh stool. CONTAINER: Clean container. COLLECTION: Unpreserved fresh stool is collected in clean container immediately after passage. TRANSPORT CONDITIONS: Specimen is refrigerated at 2-8 degrees C. Transport within 24 hours of collection.	2 days (final)	Negative	EIA, Inverness	87337
Enterovirus IgM Antibody	SERO	S14	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Epstein-Barr Virus Antibody	SERO	S15	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Escherichia coli O157:H7 (STEC) Culture and Toxin Assay	BACT	B10	Screening procedure for isolation and identification of <i>Escherichia coli</i> O157:H7 utilizing conventional biochemical and serological testing techniques. Toxin production confirmed utilizing ELISA techniques.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para Pak C&S) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable for culture, acceptable for toxin assay only	1 week Culture 5 days Toxin 1 day	Negative	Culture	87046 87077 87147 87335 87152

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Filariasis Antibody (Wucheria bancrofti, Brugia sp.)	SERO	S16	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Gardnerella vaginalis Culture	BACT	B11	Screening procedure for the isolation and identification of <i>Gardnerella vaginalis</i> , known to be associated with bacterial vaginosis.	SPECIMEN: Genital/Urinary discharge CONTAINER: Bacterial Culturette COLLECTION: A Culturette may be used on females, however it may be necessary to use a Calgiswab to culture the inside of the urethra on males. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87081
Gonorrhea Culture	BACT	B12	Screening procedure for the isolation, identification and confirmation of <i>Neisseria</i> gonorrhoeae.	SPECIMEN: Female endocervical or male urethral discharge, extragenital sites including rectal and throat (sterile cotton or synthetic swabs). CONTAINER: GC-Lect plate COLLECTION: Collect specimen on appropriate swab and inoculate directly onto GC-Lect plate with pill pocket. Add the CO2-generating tablet to the well. Place the plate in the ziplock bag and seal. Be sure to test the bag to ensure that it is sealed. Note: the tablet is activated by moisture in the medium. Do not refrigerate or freeze the plate. $\frac{TRANSPORT\ CONDITIONS}{TRANSPORT\ CONDITIONS}:$ Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	3 days	Negative	Culture	87081
Gonorrhea, Culture for Identification	BACT	B13	Neisseria gonorrhoeae culture identification utilizing conventional biochemical testing techniques.	$\begin{tabular}{lll} \hline SPECIMEN: & Pure culture isolate \\ \hline $CONTAINER:$ Chocolate Agar Slant \\ \hline $COLLECTION:$ Inoculate a Chocolate Agar slant, incubate in CO_2 for 24 hours, and overlay with 1 mL of Heart Infusion or TSB broth. \\ \hline $TRANSPORT CONDITIONS:$ Room Temperature (25\pm5°C) = 1 week (24-48 hours without broth overlay) \\ Refrigerated (5\pm3°C) = Not recommended Frozen (-15\pm5°C) = Unacceptable$	1 week	By report	Culture	87070 87077

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Gonorrhea, Microscopic Exam	BACT	B14	A stat gram stain for the presence of intracellular gram-negative diplococci resembling <i>Neisseria gonorrhoeae</i> . Note: a gram stain should not be used as a diagnostic test for gonorrhea in females.	$\begin{tabular}{ll} SPECIMEN: Female endocervical or male urethral discharge \\ \hline $CONTAINER$: Glass Slide \\ \hline $COLLECTION$: Prepare a thin smear by rolling the swab specimen on the frosted-side of a glass slide. \\ \hline $TRANSPORT CONDITIONS$: \\ \hline $Room Temperature (25\pm5^{\circ}C) = Indefinite \\ \hline $Refrigerated (5\pm3^{\circ}C) = Unacceptable \\ \hline $Frozen (-15\pm5^{\circ}C) = Unacceptable \\ \hline \end{tabular}$	30 minutes	Negative	Microscopy	87205
<i>Haemophilus ducreyi</i> Culture	BACT	B15	Screening procedure for the isolation and identification of Haemophilus ducreyi, the pathogen associated with genital "soft chancre" lesions.	SPECIMEN: Genital lesion and/or aspirated inguinal lymph node. CONTAINER: Swab placed in sterile screw-capped tube with 0.5ml saline solution. COLLECTION: Cleanse the ulcer with physiological saline. Moisten a sterile cotton swab with sterile phosphate buffered saline (pH 7.2). Sample the cleansed ulcer base with the moistened swab. Place the swab into a sterile screw-capped test tube containing 0.5ml saline solution and send immediately to the laboratory. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 30 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87081 87077
Hantavirus Antibody	SERO	S17	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Helminth Identification	PARA	P5	Helminth identification is made by microscopic exam.	SPECIMEN: Adult worm or proglottids. CONTAINER: Clean jar or cup. COLLECTION: Place in tap water or 0.85% saline. Do not use formalin or alcohol as a preservative. TRANSPORT CONDITIONS: Refrigerated at 2-8 degrees C.	3 days (final)	Negative	Microscopy	87169
Hepatitis A IgM Antibody Orange County Public He	SERO	S19	Chemiluminescent Immunoassay (CIA) HAV IgM (aHAVM)	SPECIMEN: Serum, 0.100 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86709

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TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Hepatitis A Total Antibody	SERO	S67	Chemiluminescent Immunoassay (CIA) HAV Total (HAVT)	SPECIMEN: Serum, 0.100 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86708
Hepatitis Acute Panel, includes: Hepatitis A IgM, S19 Hepatitis B Surface Ag, S22 Hepatitis B Core IgM, S20 Hepatitis C Total Ab, S24	SERO	S18	Chemiluminescent Immunoassay (CIA)	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86709 87340 86705 86803
Hepatitis B Core IgM Antibody	SERO	S20	Chemiluminescent Immunoassay (CIA) HBcIgM (aHBcM)	SPECIMEN: Serum, 0.100 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86705
Hepatitis B Core Total Antibody	SERO	S21	Chemiluminescent Immunoassay (CIA) HBcTotal (HBcT)	SPECIMEN: Serum, 0.15 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86704
Hepatitis B Surface Antigen Antibody	SERO	S23	Chemiluminescent Immunoassay (CIA) Anti-HBs (aHBs)	SPECIMEN: Serum, 0.350 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86706

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Hepatitis B Surface Antigen Screen	SERO	S22	Chemiluminescent Immunoassay (CIA) HBsAg (HBs)	SPECIMEN: Serum, 0.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	87340
Hepatitis C Ab Total	SERO	S24	Chemiluminescent Immunoassay (CIA) HCV	SPECIMEN: Serum, 0.1 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86803
Herpes Simplex Virus Antibody	SERO	S26	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Histoplasma Antibody	SERO	S27	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
HIV 1 Viral Load TaqMan v2.0	SERO	S68	Automated nucleic acid extraction and quantitative real time RT-PCR assay	SPECIMEN: Plasma, 2.0 ml (min. vol. 1.0 ml) CONTAINER: Vacutainer Lavender Top (EDTA) COLLECTION: Aseptically collect 3ml of blood in Lavender Top (EDTA) tube. Draw approximately 2.5 times the volume of whole blood as the volume of plasma required. Plastic tubes only. TRANSPORT CONDITIONS: Refrigerated: Transport to lab within 24 hours. Frozen: Transport on dry ice, must arrive at lab frozen. Separated plasma only	4 working days after receipt in lab	Not Detected	Roche AmpliPrep/ COBAS® TaqMan HIV-1 Tests v 2.0	87536 86689

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
HIV Genotyping	MOLEC	D1	Detect HIV-1 Subtype B viral resistance in plasma. Requires a Viral Load test result within the past 6 months.	SPECIMEN: Plasma, 5 ml CONTAINER: Vacutainer Pearl Top (EDTA with separator) COLLECTION: Aseptically collect 5ml of blood in Pearl Top (EDTA) tube. Centrifuge PPT tubes within 30 min of collection. TRANSPORT CONDITIONS: Refrigerated (5±3°C): Transport to lab within 24 hours. Separated plasma only. Frozen (-15±5°C): Transport on dry ice, must arrive at lab frozen. Separated plasma only.	2-3 weeks	By report	ViroSeq HIV-1 Genotyping System	83891 87901
HIV-1 Antibody, Confirmation IFA included with antibody screen if required	SERO	S103	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	HIV-1 Fluorognost HIV-1 IFA Walheim	86701
HIV-1 Oral Fluid Screen	SERO	S28	Enzyme Immunoassay	SPECIMEN: Oral fluid CONTAINER: Orasure oral fluid collection vial. COLLECTION: See serology specimens collection guide. TRANSPORT CONDITIONS: Room Temperature: Acceptable, 21 days Refrigerated: Acceptable, 21 days Frozen unacceptable	7 days	Negative	Avioq	86701
HIV-1, 2 Antibody Screen, Includes confirmation if required (IFA or Western Blot)	SERO	S31	Chemiluminescent Immunoassay (CIA) HIV 1/0/2 Enhanced (EHIV)	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	HIV 1/0/2 Enhanced (EHIV), Siemens	86703 86689
Influenza A Antibody	SERO	S33	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Influenza B Antibody	SERO	S34	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Influenza PCR	VIRO	V8	CDC Human Influenza Virus Real- Time, RT-PCR Diagnostic Panel (CDC FlurRT-PCR Dx Panel)	SPECIMEN: Infected tissue culture. CONTAINER: Tissue culture tube. COLLECTION: Not applicable TRANSPORT CONDITIONS: Transport to laboratory at 2-8 degrees C as soon as possible.	2 days (prelim) 1 week (final)	Negative	Real Time RT- PCR, CDC	87501
Isospora Screen	PARA	P6	Fluorescent microscopy and/ or modified acid fast on concentrated formalin specimens. <i>Isospora</i> is a significant pathogen in HIV positive patients.	SPECIMEN: Stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	4 days (final)	Negative	UV Microscopy, Epifluorescence	87206
Legionella Culture	BACT	B16	Screening procedure for the isolation and identification of <i>Legionella</i> utilizing conventional biochemical testing techniques and direct fluorescent antibody (DFA) techniques.		1 week	Negative	Culture/ Microscopy	87081 87077 87278
Legionnella Antibody	SERO	S35	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Leishmania Antibody	SERO	S36	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Leptospira Antibody	SERO	S37	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Leptospira Culture	BACT	B104	Screening procedure for isolation and identification of <i>Leptospira</i> utilizing conventional biochemical testing techniques.	SPECIMEN: Tissue, urine, whole blood, CSF CONTAINER: Sterile screw cap container (tissue, urine, CSF), Vacutainer tube with sodium heparin (whole blood) COLLECTION: Urine specimens - cleanse genitals, collect midstream, dilute 1:10 with 1% bovine serum albumin for transport. Ship urine, CSF and blood specimens Refrigerated (5±3°C). Ship tissue frozen. Submit whole blood or CSF during the first 7-10 days of illness. Submit urine after 7-10 days of illness. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = Unacceptable Refrigerated (5±3°C) = 1 week (Urine, CSF and blood only) Frozen (-15±5°C) = Tissue only	3 weeks	Negative	Culture	87081 87077
LGV Antibody	SERO	S40	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8386	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Listeria Antibody	SERO	S38	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Lymes Disease (<i>Borrelia</i> burgdorferi) Antibody	SERO	S39	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Malaria Antibody	SERO	S41	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Malaria/Blood Parasite Screen	PARA	P7	Plasmodium sp. are is detected by microscopic exam of Giemsastained blood smear. Other blood parasites can be observed by Giemsa as well.	SPECIMEN: Blood drawn in an EDTA tube or taken by fingerstick; or prepared thick and thin smears (stained or unstained). Slides should be made within one hour of draw. COLLECTION: Blood drawn between chills with successive draws at 6, 12, and 24 hours is recommended. Blood drawn any time is still acceptable. TRANSPORT CONDITIONS: If blood sent, submit within one hour at room temperature (15-30 degrees C). If slides sent, room temperature. Indicate travel history on lab slip if available.	24 hours	Negative	Microscopy	87207

	S43	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide	14 working days	Negative Negative	Measles-GTest System & Measles-MTest System, Bion	99001
	S42	information required. Please	CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide	working	Negative	Send Out	99001
PARA			for details. <u>Plastic tubes only</u> . <u>TRANSPORT CONDITIONS</u> : Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	,, <u>, .</u>			
	P8	Calcofluor White and/or modified trichrome stains on concentrated formalin specimens. Members of the Microsporidia group are emerging pathogens and significant in HIV positive patients.	SPECIMEN: Stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	3 days	Negative	Microscopy	87015 87207
SERO	S44	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
МҮСОВ		Tests include Acid Fast smear, culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on <i>M. tuberculosis</i> by MGIT broth-based method on first isolate or after 2 months if culture is still positive.	SPECIMEN: Blood, bone marrow, CSF, gastric lavage fluid, respiratory (aerosols, sputums, bronchial washings, transtracheal aspirates), stool (for HIV patients only), tissue biopsies, and urine. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycobacteria specimen collection guide. TRANSPORT CONDITIONS: Refrigerated (2-8 degrees C)= 24 hours	24-72 hours (AFS) 53 days (final)	By report	Culture, MGIT 960, BBL	87015 87206 87116 87118 87556 87560 87143 87188
ΜY			culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on <i>M. tuberculosis</i> by MGIT broth-based method on first isolate or after 2	for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only Tests include Acid Fast smear, culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on M. tuberculosis by MGIT broth-based method on first isolate or after 2 months if culture is still positive. For details. Plastic tubes only. TRANSPORT CONDITIONS: Refrigerated: Acceptable Refrig	for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only Tests include Acid Fast smear, culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on M. tuberculosis by MGIT broth-based method on first isolate or after 2 months if culture is still positive. fluid, respiratory (aerosols, sputums, bronchial washings, transtracheal aspirates), stool (for HIV patients only), tissue biopsies, and urine. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycobacteria specimen collection guide. TRANSPORT CONDITIONS: Refrigerated (2-8 degrees C) = 24 hours	for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only Tests include Acid Fast smear, culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on M. tuberculosis by MGIT broth-based method on first isolate or after 2 months if culture is still positive. For details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only SPECIMEN: Blood, bone marrow, CSF, gastric lavage fluid, respiratory (aerosols, sputums, bronchial washings, transtracheal aspirates), stool (for HIV patients only), tissue biopsies, and urine. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycobacteria specimen collection guide. TRANSPORT CONDITIONS: Refrigerated (2-8 degrees C) = 24 hours	for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only Tests include Acid Fast smear, culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on M. tuberculosis by MGIT broth-based method on first isolate or after 2 months if culture is still positive. Tests include Acid Fast smear, cultures Acceptable Refrigerated: Acceptable Refrigerate

1729 W. 17th St., Santa Ana, CA 92706 January 3, 2012 (714) 834-8385 FAX (714) 834-8097

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Mycobacterium Culture for Identification	МУСОВ	T2	Acid Fast Bacteria identification is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. If <i>M. tuberculosis</i> , susceptibility is performed on first isolate or after 2 months if culture is still positive.	SPECIMEN: Pure culture on appropriate Mycobacteria slanted media i.e. L J or 7H10. Specify isolate identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	24-72 hours (AFS) 42 days (final)	By report	Culture, MGIT 960, BBL	87118 87556 87560 87143 87188
Mycobacterium Smear	MYCOB	Т3	Acid Fast Smear	SPECIMEN: Blood, bone marrow, CSF, gastric lavage fluid, respiratory (aerosols, sputums, bronchial washings, transtracheal aspirates), stool (for HIV patients only), tissue biopsies, and urine NOTE: Processed specimen is preferred. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycobacteria specimen collection guide. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C).	24-72 hours	Negative	Fluorochrome Smear	87015 87206
Mycobacterium tuberculosis Complex Nucleic Acid Amplification Test (NAAT)	МҮСОВ	Т4	Nucleic Acid Amplification test (NAAT) for the detection of <i>M. tuberculosis</i> complex. In-house validated protocol for smear negative and smear positive respiratory specimens. Other specimen types are not tested.	SPECIMEN: Respiratory specimens. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See M. tuberculosis complex amplified direct test (NAAT) Specimen Collection guide.	24-72 hours	Negative	Cepheid GeneXpert	87206 87556
Mycobacterium tuberculosis Culture for Reportable Disease Only	МҮСОВ	Т7	Culture identified as <i>M.</i> tuberculosis required by State to be sent to Public Health Laboratory. Specimens submitted to state.	SPECIMEN: Pure culture on appropriate Mycobacteria slanted media i.e. LJ or 7H10. Specify isolate identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	4 days (prelim) 49 days (final)	By report	By report	99001
Mycobacterium tuberculosis Culture Identification and Susceptibility	МҮСОВ	Т6	Identification is based on Accuprobe or HPLC. <i>M. tuberculosis</i> susceptibility tests are performed by a broth-based method on the first isolate or after 2 months if culture is still positive.	SPECIMEN: Pure culture on appropriate Mycobacteria slanted media i.e. LJ or 7H10. Specify isolate identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	24-72 hours (AFS) 49 days (final)	By report	Culture, MGIT 960, BBL	87206 87118 87556 87560 87188

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Mycology Primary Specimen Identification (Fungus/Yeast)	MYCOL	М1	Fungal and yeast isolates are identified based on combination of morphologic and biochemical tests. If dimorphic fungi, appropriate Gen-Probe is performed (<i>Coccidioides immitis</i> , <i>Histoplasma capsulatum</i> and <i>Blastomyces dermatitidis</i> are available). Cultures held for one month.	SPECIMEN: Abscess, biopsy, blood, CSF, ear, mucocutaneous membranes (mouth, vaginal, urethral), hair, nails, respiratory, skin, and urine. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycology Specimen Collection guide.	4 weeks (final)	Negative	Culture	87101 87102 87103 87106 87107 87206 87798
Mycology Reference Culture Identification (Fungus/Yeast)	MYCOL	M2	A combination of morphologic and biochemical tests are conducted. If dimorphic fungi, appropriate Gen-Probe is performed (Coccidioides immitis, Histoplasma capsulatum and Blastomyces dermatitidis are available).	SPECIMEN: Pure culture on mycology slanted media i.e. SAB (Sabouraud Dextrose Agar), or IMA (Inhibitory Mold Agar). Specify isolate identification. Do not send plates for fungal identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	4 weeks (final)	By report	Culture	87106 87107 87798
Mycoplasma Antibody	SERO	S45	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Norovirus PCR	VIRO	V7	For EPI purposes, call laboratory for further instructions.	SPECIMEN: Stool. CONTAINER: Sterile screw cap container. COLLECTION: Collect stool during acute phase within 48- 72 hours of onset. TRANSPORT CONDITIONS: Transport to laboratory at 2-8 degrees C as soon as possible, no later than 5 days after collection.	2 days (prelim) 2 weeks (final)	Negative	Real Time RT-PCR, CDC/VRDL	83891 83902 83898 87799 83912
Occult Blood	BACT	B17	The Hemoccult test is a rapid, qualitative method for detecting fecal occult blood which may be indicative of gastrointestinal disease. It is not a test for colorectal cancer or any other specific diseases.	SPECIMEN: Feces CONTAINER: Hemoccult slide or clean container COLLECTION: Make a thin smear of the fecal specimen on the guaiac paper of the Hemoccult slide. If Hemoccult slides are unavailable, a stool specimen less than 4 days old may be submitted in a clean container labeled with the submitter's ID, patient's name and date of collection. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 day	Negative	Hemacult/Smith Kline	82270

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Ova and Parasite Exam	PARA	P9	Screening procedure for presence of ova and parasites. A concentrated wet preparation and a permanent trichrome stain are examined.	SPECIMEN: Stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	4 days	Negative	Microscopy	87015 87177 87209
Paragonimus Antibody	SERO	S46	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Paragonimus Screen	PARA	P10	Screening procedure for the presence of <i>Paragonimus</i> ova and parasites in respiratory and stool specimens. A direct wet mount is performed on fresh stool, concentrated sputum and preserved stool. A trichrome smear is made from the preserved stool and examined.	SPECIMEN: Sputum, fresh stool or preserved stool. CONTAINER: Clean or sterile cup or tube for sputum and fresh stool. 2 vial kit with 10% formalin and PVA for preserved stool. COLLECTION: If sputum, deliver to laboratory within 2 hours. If delay in transport, fix in 5-10% formalin. Fresh stool must be submitted within 24 hours of collection; preserved stool sent in 2 vial stool kit. TRANSPORT CONDITIONS: If sputum or fresh stool refrigerate at 2-8 degrees C. If preserved stool, room temperature (15-30 degrees C).	3 days (final)	Negative	Microscopy	87177 87210
Parainfluenza Antibody	SERO	S47	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Parvovirus Antibody	SERO	S48	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Pertussis Antibody	SERO	S49	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Pinworm Exam	PARA	P11	Examination of pinworm paddle for presence of pinworm ova by light microscopy.	SPECIMEN: Rectal area. CONTAINER: Falcon pinworm paddle or a scotch tape prep on a microscope slide. COLLECTION: Apply paddle to rectal area; or place scotch tape on rectal area, then place on a microscope slide.	3 days (final)	Negative	Microscopy	87172
Plague Antibody (Yersinia pestis)	SERO	S50	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Pneumocystis Screen	PARA	P12	IFA and /or Giemsa stain. Pneumocystis jirovecii is a significant pathogen in HIV positive patients.	SPECIMEN: 2-3 mls. induced sputum, bronchioalveolar lavage and tracheobronchial aspirates. CONTAINER: Clean or sterile cup or vial. COLLECTION: Saline induced sputum. TRANSPORT CONDITIONS: Refrigerated at 2-8 degrees C.	2 days (final)	Negative	Monofluo IFA	87015 87281

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Poliovirus Antibody	SERO	S51	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Pregnancy	BACT	B18	A qualitative test to determine the presence of human chorionic gonadotropin (hCG) in serum and urine for the early detection of pregnancy.	SPECIMEN: Urine or Serum CONTAINER: Urine may be collected in any clean, dry, plastic or glass container. Note: B-D transport tubes are unacceptable for pregnancy testing. Collect 20cc of blood in a Vacutainer separator tube. COLLECTION: First-morning void is the specimen of choice for the urine test. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 hours Refrigerated (5±3°C) = 48 hours Frozen (-15±5°C) = >48 hours	1 day	Negative	EIA	81025
Pulsed Field Gel Electrophoresis (PFGE)	MOLEC	D102	Pulsed-Field Gel Electrophoresis (PFGE) testing using standardized methods to fingerprint DNA.	SPECIMEN: Pure culture isolate. CONTAINER: Slant tube COLLECTION: Do not refrigerate or freeze. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	2 weeks	By report	PulseNet Methods	83890 83892 83894 87152
Rabies Antibody	SERO	S52	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Relapsing Fever Antibody (Borrelia sp.)	SERO	S53	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Respiratory Syncytial Virus Antibody	SERO	S54	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Rickettsial Antibody	SERO	S55	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Rubella IgG Antibody (Immune status)	SERO	S56	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 working days	Negative	Send Out	99001
Rubella IgM Antibody	SERO	S70	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	Send Out	99001
Salmonella typhi Antibody	SERO	S57	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Salmonella/Shigella Culture	BACT	B19	Screening procedure for isolation and identification of <i>Salmonella</i> and <i>Shigella</i> utilizing conventional biochemical and serological testing techniques.	SPECIMEN: Stool or Urine CONTAINER: Stool = stool transport bottles (Para Pak C&S), Urine = BD Urine Transport Kit (gray top) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. Urine specimens must be processed within 4 hours if refrigerated (2- 8°C) or transport in BD tubes within 96 hours. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool and urine) Refrigerated (5±3°C) = 4 hours (Unpreserved urine) Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87045 87077 87147 87152
Serology, Other (Specify disease suspected)	SERO	S32	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Serology, Other (Specify disease suspected)	SERO	S32	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	Dependant upon patient symptoms and disease suspected call laboratory, 714-834-8385	14 working days	Negative	Send Out	99001
Streptococcus Group A Culture (Throat Screen)	BACT	B21	Screening procedure for isolation and identification of Group A Streptococcus, a common cause of bacterial pharyngitis.	SPECIMEN: Throat exudate CONTAINER: Bacterial Culturette COLLECTION: A throat swab taken from the tonsillar area and/or posterior pharynx, with care taken to avoid the tongue and uvula. Dacron swabs are best for collection of Group A Streptococcus specimens. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	2 days	Negative	Culture	87081

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Syphilis Confirmation (FTA-ABS)	SERO	S107	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	FTA-Abs, T. pallidum, Scimedx	86781
Syphilis Confirmation (TP-PA)	SERO	S59	Passive Agglutination	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	Serodia, TP-PA, Fujirebio	86781
Syphilis Darkfield, Microscopic Exam	BACT	B22	Darkfield microscopy is used to demonstrate the presence of <i>Treponema pallidum</i> in lesions or aspirates in early-stage syphilis.	SPECIMEN: Serous fluid from genital lesion CONTAINER: Glass slide with coverslip COLLECTION: Collect specimen prior to antimicrobial therapy. Clean the surface of the lesion with saline, and blot dry. Gently remove any crusts, and discard. Abrade superficially until slight bleeding occurs. Wipe away the first few drops of blood. Apply gentle pressure at lesion base, touching clear exudate in ulcer base with a glass slide. Place coverslip and transport immediately to lab. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 15 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87166
Syphilis Screen RPR	SERO	S58	Macroscopic non-treponemal flocculation card test	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Non-reactive	BD Macrovue RPR Kit	86592

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
TB Gamma Interferon	SERO	S60	Interferon Gamma Release Assay	SPECIMEN: Whole Blood CONTAINER: 1 set QuantiFERON®-TB Gold IR; 1.0 ml each tube: Nil control (grey cap with white ring), TB Antigen (red cap with white ring), Mitogen Control (purple cap with white ring). COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature within 16 hours. DO NOT REFRIGERATE.	7 days	Negative	Cellestis	86480
Toxoplasma Antibody	SERO	S61	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	IFA Test System, GenBio	86777
Trichinosis Antibody (<i>Trichinella spiralis</i>)	SERO	S63	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Trichomonas Culture	BACT	B23	Culture is the most sensitive method for the diagnosis of trichomoniasis; however, it may take 3 to 4 days to determine culture results.	SPECIMEN: Vaginal exudates, genital secretions, semen, prostatic fluid, urethral samples, and urine CONTAINER: Bacterial Culturette COLLECTION: Urine samples should be the first-voided specimen in the morning. Immediate transport of the specimen to the lab is critical. Do not refrigerate or freeze. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87081

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Trichomonas, Microscopic Exam	BACT	B24	Direct wet mount for the identification of <i>Trichomonas</i> vaginalis, primarily a sexually transmitted parasite.	SPECIMEN: Vaginal exudates, genital secretions, semen, prostatic fluid, urethral samples, and urine CONTAINER: Glass slide with coverslip COLLECTION: Urine samples should be the first-voided specimen in the morning. Collect sample, emulsify swab in normal saline, roll swab onto the frosted-side of the glass slide, place coverslip over sample. Ship to laboratory immediately. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 15 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87210
Tularemia Antibody (<i>Francisella tularensis</i>)	SERO	S64	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Urinalysis	BACT	B25	Routine urinalysis includes the examination of physical and chemical characteristics, and the quantitation of microscopic structures in the urinary sediment.	SPECIMEN: Urine (standard volume = 12 mL) CONTAINER: BD Urine Transport Kit (gray top) COLLECTION: Clean-catch first morning void is the preferred specimen; however, any fresh random urine specimen is acceptable for chemical analysis. Midstream collection into a sterile container and then transferred to a BD urine transport tube. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 72 hours (preserved in BD tube) Refrigerated (5±3°C) = 72 hours (preserved in BD tube) Frozen (-15±5°C) = Unacceptable	1 day	Color = Pale yellow to amber Turbidity = Clear to slightly hazy SG = 1.015-1.025 pH = 4.5-8.0 Glucose = Neg. Ketones = Neg. Blood = Neg. Protein = Neg. Bilirubin = Neg. Urobilinogen 0.1- 1.0 Nitrite = Neg. Leukocyte = Neg. Casts = < 50/lpf RBC = Neg./Rare WBC = Neg./Rare Epithelial Cells = Few	Cliniteck, microscopy	81000

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Varicella zoster Antibody	SERO	S65	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Vibrio cholerae Antibody	SERO	S66	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Vibrio Culture	BACT	B27	Screening procedure for the isolation and identification of <i>Vibrio sp.</i> utilizing conventional biochemical testing techniques and serology.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para-Pak C&S) Note: Buffered glycerol saline is unacceptable. COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87045 87077 87147
Viral Culture (Specify virus suspected)	VIRO	V3	Tissue Culture Isolation, Typing (if required)	Dependant upon patient symptoms and virus suspected. See virology specimen collection guide or call laboratory 714-834-8326	2 days (prelim) 2 weeks (final)	Negative	Culture	87252 87253
Viral Culture ID	VIRO	V4	Tissue Culture Isolation, Identification	SPECIMEN: Infected tissue culture. CONTAINER: Tissue culture tube. COLLECTION: Not applicable TRANSPORT CONDITIONS: Transport to laboratory at 2-8 degrees C as soon as possible.	2 weeks	By report	Culture	87252 87253

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Viral Culture Sendout	VIRO	V101	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	Not applicable. Culture sent to reference lab are received/ordered in house from cultures already in progress.	4 weeks	By report	Send Out	99001
Viral Culture, Respiratory Syncytial Virus	VIRO	V3	Tissue Culture Isolation	SPECIMEN: Nasopharyngeal swab, Nasal wash, Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	14 days	Negative	Culture	87253
Viral Culture, Adenovirus	VIRO	V3	Tissue Culture Isolation	SPECIMEN: Nasopharyngeal swab, Nasal wash, Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	14 days	Negative	Culture	87252 87253
Viral Culture, Enteroviruses	VIRO	V3	Tissue Culture Isolation, Typing	SPECIMEN: CSF, Stool, Throat swab CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific instructions.	21 days	Negative	Culture	87252 87253
Viral Culture, Herpes Screen	VIRO	V5	Tissue Culture Isolation, Typing	SPECIMEN: Lesion swab CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen guide for specific instructions.	1 week	Negative	Culture	87252 87253 87273 87274
Viral Culture, Influenza	VIRO	V6	Tissue Culture Isolation, Typing	SPECIMEN: Nasopharyngeal swab, Nasal wash, Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	2 days (prelim) 2 weeks (final)	Negative	Culture	87254

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Viral Culture, Parainfluenza	VIRO	V3	Tissue Culture Isolation, Typing	SPECIMEN: Nasopharyngeal swab, Nasal wash< Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	14 days	Negative	Culture	87252 87253
Viral Culture, Varicella- Zoster	VIRO	V3	Tissue Culture Isolation	SPECIMEN: Vesicle fluid or scraping CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific instructions.	14 days	Negative	Culture	87252 87253 87290
Viral ID, Rabies	VIRO	V2	Direct Fluorescent Antibody	SPECIMEN: Freshly severed animal head, delivered by Animal Care Services or fresh unpreserved animal brain. (no formalin) CONTAINER: Any sterile transport container. COLLECTION: Remove brain from cranium of suspected animal, do not place in formalin. TRANSPORT CONDITIONS: Transport to laboratory on wet ice or refrigerated, within 24 hrs.	24 hours, working days	Negative	FITC Anti-Rabies Fujirebio	87003 87299
Visceral Larval Migrans Antibody (<i>Toxocara</i>)	SERO	S62	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
West Nile Virus Antibody	SERO	S109	Indirect Immunofluorescent Assay	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	2 to 7 days	Negative	IFA, State VRDL	86789

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
West Nile Virus Antibody Sendout	SERO	S110	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Yeast, Microscopic Exam	BACT	B28	Stat direct wet mount to identify the presence of budding yeast and pseudohyphae.	SPECIMEN: Vaginal exudate CONTAINER: Glass slide with coverslip COLLECTION: Collect sample, emulsify swab in normal saline, roll swab onto the frosted-side of the glass slide, place coverslip over sample. Ship to laboratory immediately. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 15 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87210
Yersinia Culture	BACT	B29	Screening procedure for the isolation and identification of <i>Yersinia sp.</i> utilizing conventional biochemical testing techniques.	SPECIMEN: Stool CONTAINER: Stool transport bottles (Para-Pak C&S) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87045 87077

<i>Aeromonas</i> Culture	BACT			SPECIMEN REQUIREMENTS	TAT	RANGE	TEST METHOD	CODES
		B1	Screening procedure for isolation and identification of <i>Aeromonas</i> sp. utilizing conventional biochemical techniques.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para Pak C&S) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87046 87077
Bacterial Culture & Sensitivity, Aerobic	BACT	B2	Identification of all aerobic organisms found using conventional aerobic culture techniques. Sensitivities performed according to the CLSI guidelines.	SPECIMEN: Blood, urine, sputum, eye, ear, genital, wounds, and abscesses. CONTAINER: Bacterial Culturettes, BACTEC blood culture bottles, BD Urine C&S Transport kit (Gray top), sputum collection bottles. COLLECTION: Blood Cultures -Aseptically collect 8 ml for each bottle (BACTEC Plus Aerobic/F and BACTEC Lytic Anaerobic/F) Urine- Clean-catch midstream collection, 12 ml in a BD transport tube. Sputum-expectoration obtained after a deep cough collected in sterile sputum collection bottle. Bacterial Culturettes are used for genital, eye, ear, wounds and abscesses. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours (Blood cultures and genital swabs) Refrigerated (5±3°C) = 24 hours (Swabs and sputum) 72 hours (preserved urine) Frozen (-15±5°C) = Unacceptable	3 days	Negative	Culture	87040 87088 87070 87186
Bacterial Culture for Identification (<i>Salmonella/Shigella</i>)	BACT	B20	Salmonella/Shigella culture identification and confirmation utilizing conventional biochemical and serological testing techniques.	SPECIMEN: Pure culture isolate CONTAINER: Slant tube COLLECTION: Do not refrigerate or freeze TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = 2 days Frozen (-15±5°C) = Unacceptable	3 days	NA	Culture	87070 87077 87147 87152
Bacterial Culture for Identification, Aerobic Orange County Public I	BACT	B4	Aerobic bacterial culture identification utilizing conventional aerobic biochemical testing techniques.	SPECIMEN: Pure culture isolate CONTAINER: Slant tube COLLECTION: Do not refrigerate or freeze TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	By report	Culture	87070 87077

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TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Bacterial Culture for Identification, Anaerobic	ВАСТ	B5	Anaerobic bacterial culture identification utilizing conventional anaerobic biochemical testing techniques.	SPECIMEN: Pure culture isolate on swab or plated media CONTAINER: Swab in anaerobic transport tube. Isolates submitted on plated media in anaerobic transport bag. COLLECTION: Do not refrigerate or freeze TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	1 week	By report	Culture	87075 87076
Bacterial Culture, Anaerobic (Call laboratory before submitting specimens)	ВАСТ	В3	Identification of all anaerobic organisms found using conventional anaerobic culture techniques.	SPECIMEN: Deep wounds, abscesses, body fluids, tissue, blood CONTAINER: Anaerobic blood culture bottle, swab in anaerobic transport tube. COLLECTION: Blood Cultures - After aseptic collection of specimen inject approximately 8 ml into one BACTEC Lytic Anaerobic/F bottle. Keep at room temperature and send to laboratory immediately. Swabs- Collect under anaerobic conditions using an anaerobe swab. Call the lab for transport tubes. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	2 weeks	Negative	Culture	87040 87075 87076
Bordetella pertussis Culture and PCR	BACT	В6	Screening procedure for isolation and identification of <i>Bordetella pertussis</i> utilizing conventional biochemical techniques and PCR.	SPECIMEN: Two Nasopharyngeal swabs CONTAINER: Regan-Lowe transport bottles (Charcoal blood media) and CAS broth. (Note: Contact Laboratory at 714-834-8327 for collection materials.) COLLECTION: 1. Regan-Lowe transport bottles - with one swab inoculate the surface of the media by gently rolling the Dacron swab over the entire area. Leave the swab in the media and bend the wire outside the cap. 2. Casamino Acid Solution (CAS) 0.5 ml – place the second swab into the solution and secure the cap tightly. TRANSPORT CONDITIONS: Transport specimens back to the Public Health Laboratory within 2 hours. Room Temperature (25±5°C) = Regan-Lowe bottles Refrigerated (5±3°C) = CAS tube - Refrigerated (2-8°C) Frozen (-15±5°C) = Unacceptable	1 day (prelim) 1 week (final)	Negative	Culture PCR	87070 87077 87798

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Campylobacter Culture	BACT	В7	Screening procedure for isolation and identification of Campylobacter jejuni utilizing conventional biochemical testing techniques.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para Pak C&S), Note: Buffered Glycerol Saline is unacceptable as a transport medium COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87046 87077
Clostridium botulinum Culture & Toxin Testing (Call Laboratory before submitting specimens)	BACT	B8	Clostridium botulinum culture and toxin testing for suspected foodborne and wound cases.	SPECIMEN: Pre-antitoxin and Post-antitoxin serum, stool, gastric, tissue. Standard volumes: Serum from 30cc of blood, 25 grams of feces or 50 ml of enema effluent CONTAINER: Sterile screw cap container COLLECTION: Contact Orange County Public Health Epidemiology Department at (714) 834-8180 for testing approval, specimen collection, and shipping requirements. After hours, on weekends and holidays you may speak to a Public Health Official by calling Orange County Communications Center at (714) 834-7200. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = Unacceptable Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	4 weeks	Negative	Send Out	99001
Diphtheria Culture	BACT	В9	Screening procedure for isolation and identification of Corynebacterium diphtheriae in suspect cases of diphtheria.	SPECIMEN: Throat exudate CONTAINER: Bacterial Culturette COLLECTION: A throat swab taken from posterior pharynx, and areas of the tonsils showing dull white pseudomembrane. Avoid the tongue and uvula. Dacron swabs are best for collection. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87070 87077

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Escherichia coli O157:H7 (STEC) Culture and Toxin Assay	BACT	B10	Screening procedure for isolation and identification of <i>Escherichia coli</i> O157:H7 utilizing conventional biochemical and serological testing techniques. Toxin production confirmed utilizing ELISA techniques.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para Pak C&S) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable for culture, acceptable for toxin assay only	1 week Culture 5 days Toxin 1 day	Negative	Culture	87046 87077 87147 87335 87152
Gardnerella vaginalis Culture	BACT	B11	Screening procedure for the isolation and identification of <i>Gardnerella vaginalis</i> , known to be associated with bacterial vaginosis.	SPECIMEN: Genital/Urinary discharge CONTAINER: Bacterial Culturette COLLECTION: A Culturette may be used on females, however it may be necessary to use a Calgiswab to culture the inside of the urethra on males. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87081
Gonorrhea Culture	BACT	B12	Screening procedure for the isolation, identification and confirmation of <i>Neisseria</i> gonorrhoeae.	SPECIMEN: Female endocervical or male urethral discharge, extragenital sites including rectal and throat (sterile cotton or synthetic swabs). CONTAINER: GC-Lect plate COLLECTION: Collect specimen on appropriate swab and inoculate directly onto GC-Lect plate with pill pocket. Add the CO $_2$ -generating tablet to the well. Place the plate in the ziplock bag and seal. Be sure to test the bag to ensure that it is sealed. Note: the tablet is activated by moisture in the medium. Do not refrigerate or freeze the plate. TRANSPORT CONDITIONS: Room Temperature (25 \pm 5°C) = 2 days Refrigerated (5 \pm 3°C) = Unacceptable Frozen (-15 \pm 5°C) = Unacceptable	3 days	Negative	Culture	87081

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Gonorrhea, Culture for Identification	BACT	B13	Neisseria gonorrhoeae culture identification utilizing conventional biochemical testing techniques.	<u>SPECIMEN</u> : Pure culture isolate <u>CONTAINER</u> : Chocolate Agar Slant <u>COLLECTION</u> : Inoculate a Chocolate Agar slant, incubate in CO_2 for 24 hours, and overlay with 1 mL of Heart Infusion or TSB broth. <u>TRANSPORT CONDITIONS</u> : Room Temperature $(25\pm5^{\circ}C) = 1$ week $(24-48$ hours without broth overlay) Refrigerated $(5\pm3^{\circ}C) = \text{Not recommended}$ Frozen $(-15\pm5^{\circ}C) = \text{Unacceptable}$	1 week	By report	Culture	87070 87077
Gonorrhea, Microscopic Exam	BACT	B14	A stat gram stain for the presence of intracellular gram-negative diplococci resembling <i>Neisseria gonorrhoeae</i> . Note: a gram stain should not be used as a diagnostic test for gonorrhea in females.	SPECIMEN: Female endocervical or male urethral discharge CONTAINER: Glass Slide COLLECTION: Prepare a thin smear by rolling the swab specimen on the frosted-side of a glass slide. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = Indefinite Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87205
Haemophilus ducreyi Culture	BACT	B15	Screening procedure for the isolation and identification of <i>Haemophilus ducreyi</i> , the pathogen associated with genital "soft chancre" lesions.	SPECIMEN: Genital lesion and/or aspirated inguinal lymph node. CONTAINER: Swab placed in sterile screw-capped tube with 0.5ml saline solution. COLLECTION: Cleanse the ulcer with physiological saline. Moisten a sterile cotton swab with sterile phosphate buffered saline (pH 7.2). Sample the cleansed ulcer base with the moistened swab. Place the swab into a sterile screw-capped test tube containing 0.5ml saline solution and send immediately to the laboratory. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 30 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87081 87077
Legionella Culture	BACT	B16	Screening procedure for the isolation and identification of Legionella utilizing conventional biochemical testing techniques and direct fluorescent antibody (DFA) techniques.	SPECIMEN: Tissue, lower respiratory secretions CONTAINER: Sterile screw cap container COLLECTION: Tightly closed container. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 30 minutes Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture/ Microscopy	87081 87077 87278

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Leptospira Culture	BACT	B104	Screening procedure for isolation and identification of <i>Leptospira</i> utilizing conventional biochemical testing techniques.	SPECIMEN: Tissue, urine, whole blood, CSF CONTAINER: Sterile screw cap container (tissue, urine, CSF), Vacutainer tube with sodium heparin (whole blood) COLLECTION: Urine specimens - cleanse genitals, collect midstream, dilute 1:10 with 1% bovine serum albumin for transport. Ship urine, CSF and blood specimens Refrigerated (5±3°C). Ship tissue frozen. Submit whole blood or CSF during the first 7-10 days of illness. Submit urine after 7-10 days of illness. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = Unacceptable Refrigerated (5±3°C) = 1 week (Urine, CSF and blood only) Frozen (-15±5°C) = Tissue only	3 weeks	Negative	Culture	87081 87077
Occult Blood	BACT	B17	The Hemoccult test is a rapid, qualitative method for detecting fecal occult blood which may be indicative of gastrointestinal disease. It is not a test for colorectal cancer or any other specific diseases.	SPECIMEN: Feces CONTAINER: Hemoccult slide or clean container COLLECTION: Make a thin smear of the fecal specimen on the guaiac paper of the Hemoccult slide. If Hemoccult slides are unavailable, a stool specimen less than 4 days old may be submitted in a clean container labeled with the submitter's ID, patient's name and date of collection. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 day	Negative	Hemacult/Smith Kline	82270
Pregnancy	BACT	B18	A qualitative test to determine the presence of human chorionic gonadotropin (hCG) in serum and urine for the early detection of pregnancy.	SPECIMEN: Urine or Serum CONTAINER: Urine may be collected in any clean, dry, plastic or glass container. Note: B-D transport tubes are unacceptable for pregnancy testing. Collect 20cc of blood in a Vacutainer separator tube. COLLECTION: First-morning void is the specimen of choice for the urine test. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 hours Refrigerated (5±3°C) = 48 hours Frozen (-15±5°C) = >48 hours	1 day	Negative	EIA	81025

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Salmonella/Shigella Culture	BACT	B19	Screening procedure for isolation and identification of <i>Salmonella</i> and <i>Shigella</i> utilizing conventional biochemical and serological testing techniques.	SPECIMEN: Stool or Urine CONTAINER: Stool = stool transport bottles (Para Pak C&S), Urine = BD Urine Transport Kit (gray top) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. Urine specimens must be processed within 4 hours if refrigerated (2- 8°C) or transport in BD tubes within 96 hours. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool and urine) Refrigerated (5±3°C) = 4 hours (Unpreserved urine) Frozen (-15±5°C) = Unacceptable	5 days	Negative	Culture	87045 87077 87147 87152
Streptococcus Group A Culture (Throat Screen)	BACT	B21	Screening procedure for isolation and identification of Group A Streptococcus, a common cause of bacterial pharyngitis.	SPECIMEN: Throat exudate CONTAINER: Bacterial Culturette COLLECTION: A throat swab taken from the tonsillar area and/or posterior pharynx, with care taken to avoid the tongue and uvula. Dacron swabs are best for collection of Group A Streptococcus specimens. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = 24 hours Frozen (-15±5°C) = Unacceptable	2 days	Negative	Culture	87081
Syphilis Darkfield, Microscopic Exam	BACT	B22	Darkfield microscopy is used to demonstrate the presence of <i>Treponema pallidum</i> in lesions or aspirates in early-stage syphilis.	SPECIMEN: Serous fluid from genital lesion CONTAINER: Glass slide with coverslip COLLECTION: Collect specimen prior to antimicrobial therapy. Clean the surface of the lesion with saline, and blot dry. Gently remove any crusts, and discard. Abrade superficially until slight bleeding occurs. Wipe away the first few drops of blood. Apply gentle pressure at lesion base, touching clear exudate in ulcer base with a glass slide. Place coverslip and transport immediately to lab. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 15 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87166

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Trichomonas Culture	ВАСТ	B23	Culture is the most sensitive method for the diagnosis of trichomoniasis; however, it may take 3 to 4 days to determine culture results.	SPECIMEN: Vaginal exudates, genital secretions, semen, prostatic fluid, urethral samples, and urine CONTAINER: Bacterial Culturette COLLECTION: Urine samples should be the first-voided specimen in the morning. Immediate transport of the specimen to the lab is critical. Do not refrigerate or freeze. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 24 hours Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87081
Trichomonas, Microscopic Exam	BACT	B24	Direct wet mount for the identification of <i>Trichomonas vaginalis</i> , primarily a sexually transmitted parasite.	SPECIMEN: Vaginal exudates, genital secretions, semen, prostatic fluid, urethral samples, and urine CONTAINER: Glass slide with coverslip COLLECTION: Urine samples should be the first-voided specimen in the morning. Collect sample, emulsify swab in normal saline, roll swab onto the frosted-side of the glass slide, place coverslip over sample. Ship to laboratory immediately. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 15 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87210
Urinalysis	BACT	B25	Routine urinalysis includes the examination of physical and chemical characteristics, and the quantitation of microscopic structures in the urinary sediment.	SPECIMEN: Urine (standard volume = 12 mL) CONTAINER: BD Urine Transport Kit (gray top) COLLECTION: Clean-catch first morning void is the preferred specimen; however, any fresh random urine specimen is acceptable for chemical analysis. Midstream collection into a sterile container and then transferred to a BD urine transport tube. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 72 hours (preserved in BD tube) Refrigerated (5±3°C) = 72 hours (preserved in BD tube) Frozen (-15±5°C) = Unacceptable	1 day	Color = Pale yellow to amber Turbidity = Clear to slightly hazy SG = 1.015-1.025 pH = 4.5-8.0 Glucose = Neg. Ketones = Neg. Blood = Neg. Protein = Neg. Bilirubin = Neg. Urobilinogen 0.1- 1.0 Nitrite = Neg. Leukocyte = Neg. Casts = < 50/lpf RBC = Neg./Rare WBC = Neg./Rare Epithelial Cells = Few	Cliniteck, microscopy	81000

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Vibrio Culture	BACT	B27	Screening procedure for the isolation and identification of Vibrio sp. utilizing conventional biochemical testing techniques and serology.	SPECIMEN: Fresh stool CONTAINER: Stool transport bottles (Para-Pak C&S) Note: Buffered glycerol saline is unacceptable. COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87045 87077 87147
Yeast, Microscopic Exam	BACT	B28	Stat direct wet mount to identify the presence of budding yeast and pseudohyphae.	SPECIMEN: Vaginal exudate CONTAINER: Glass slide with coverslip COLLECTION: Collect sample, emulsify swab in normal saline, roll swab onto the frosted-side of the glass slide, place coverslip over sample. Ship to laboratory immediately. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 15 minutes Refrigerated (5±3°C) = Unacceptable Frozen (-15±5°C) = Unacceptable	30 minutes	Negative	Microscopy	87210
Yersinia Culture	BACT	B29	Screening procedure for the isolation and identification of <i>Yersinia sp.</i> utilizing conventional biochemical testing techniques.	SPECIMEN: Stool CONTAINER: Stool transport bottles (Para-Pak C&S) COLLECTION: The specimen of choice is the diarrheal stool collected during the acute stage of the disease. Keep the stool specimen cool, do not incubate or refrigerate. Portions containing blood or mucus usually contain the highest number of pathogens. The use of rectal swabs (Bacterial Culturettes) should be limited to patients with active disease, infants and children from whom feces may be difficult to obtain. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 4 days (Preserved stool) Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	1 week	Negative	Culture	87045 87077

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
HIV Genotyping	MOLEC	D1	Detect HIV-1 Subtype B viral resistance in plasma. Requires a Viral Load test result within the past 6 months.	SPECIMEN: Plasma, 5 ml CONTAINER: Vacutainer Pearl Top (EDTA with separator) COLLECTION: Aseptically collect 5ml of blood in Pearl Top (EDTA) tube. Centrifuge PPT tubes within 30 min of collection. TRANSPORT CONDITIONS: Refrigerated (5±3°C): Transport to lab within 24 hours. Separated plasma only. Frozen (-15±5°C): Transport on dry ice, must arrive at lab frozen. Separated plasma only.	2-3 weeks	By report	ViroSeq HIV-1 Genotyping System	83891 87901
Pulsed Field Gel Electrophoresis (PFGE)	MOLEC	D102	Pulsed-Field Gel Electrophoresis (PFGE) testing using standardized methods to fingerprint DNA.	SPECIMEN: Pure culture isolate. CONTAINER: Slant tube COLLECTION: Do not refrigerate or freeze. TRANSPORT CONDITIONS: Room Temperature (25±5°C) = 2 days Refrigerated (5±3°C) = Not recommended Frozen (-15±5°C) = Unacceptable	2 weeks	By report	PulseNet Methods	83890 83892 83894 87152

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Mycobacterium Culture and Sensitivity	МУСОВ	T1	Tests include Acid Fast smear, culture on solid and liquid media. Identification of Mycobacteria is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. Susceptibility performed on <i>M. tuberculosis</i> by MGIT broth-based method on first isolate or after 2 months if culture is still positive.	SPECIMEN: Blood, bone marrow, CSF, gastric lavage fluid, respiratory (aerosols, sputums, bronchial washings, transtracheal aspirates), stool (for HIV patients only), tissue biopsies, and urine. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycobacteria specimen collection guide. TRANSPORT CONDITIONS: Refrigerated (2-8 degrees C) = 24 hours	24-72 hours (AFS) 53 days (final)	By report	Culture, MGIT 960, BBL	87015 87206 87116 87118 87556 87560 87143 87188
Mycobacterium Culture for Identification	MYCOB	T2	Acid Fast Bacteria identification is based on a combination of tests: Accuprobe, HPLC, biochemical panels, and sequencing. If <i>M. tuberculosis</i> , susceptibility is performed on first isolate or after 2 months if culture is still positive.	SPECIMEN: Pure culture on appropriate Mycobacteria slanted media i.e. L J or 7H10. Specify isolate identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	24-72 hours (AFS) 42 days (final)	By report	Culture, MGIT 960, BBL	87118 87556 87560 87143 87188
Mycobacterium Smear	MYCOB	Т3	Acid Fast Smear	SPECIMEN: Blood, bone marrow, CSF, gastric lavage fluid, respiratory (aerosols, sputums, bronchial washings, transtracheal aspirates), stool (for HIV patients only), tissue biopsies, and urine NOTE: Processed specimen is preferred. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycobacteria specimen collection guide. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C).	24-72 hours	Negative	Fluorochrome Smear	87015 87206

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Mycobacterium tuberculosis Complex Nucleic Acid Amplification Test (NAAT)	MYCOB	Т4	Nucleic Acid Amplification test (NAAT) for the detection of <i>M. tuberculosis</i> complex. In-house validated protocol for smear negative and smear positive respiratory specimens. Other specimen types are not tested.	SPECIMEN: Respiratory specimens. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See M. tuberculosis complex amplified direct test (NAAT) Specimen Collection guide.	24-72 hours	Negative	Cepheid GeneXpert	87206 87556
Mycobacterium tuberculosis Culture for Reportable Disease Only	МУСОВ	Т7	Culture identified as <i>M.</i> tuberculosis required by State to be sent to Public Health Laboratory. Specimens submitted to state.	SPECIMEN: Pure culture on appropriate Mycobacteria slanted media i.e. LJ or 7H10. Specify isolate identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	4 days (prelim) 49 days (final)	By report	By report	99001
Mycobacterium tuberculosis Culture Identification and Susceptibility	МУСОВ	Т6	Identification is based on Accuprobe or HPLC. <i>M. tuberculosis</i> susceptibility tests are performed by a broth-based method on the first isolate or after 2 months if culture is still positive.	SPECIMEN: Pure culture on appropriate Mycobacteria slanted media i.e. LJ or 7H10. Specify isolate identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	24-72 hours (AFS) 49 days (final)	By report	Culture, MGIT 960, BBL	87206 87118 87556 87560 87188

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Mycology Primary Specimen Identification (Fungus/Yeast)	MYCOL	M1	Fungal and yeast isolates are identified based on combination of morphologic and biochemical tests. If dimorphic fungi, appropriate Gen-Probe is performed (<i>Coccidioides immitis</i> , <i>Histoplasma capsulatum</i> and <i>Blastomyces dermatitidis</i> are available). Cultures held for one month.	SPECIMEN: Abscess, biopsy, blood, CSF, ear, mucocutaneous membranes (mouth, vaginal, urethral), hair, nails, respiratory, skin, and urine. CONTAINER, COLLECTION and TRANSPORT CONDITIONS: See Mycology Specimen Collection guide.	4 weeks (final)	Negative	Culture	87101 87102 87103 87106 87107 87206 87798
Mycology Reference Culture Identification (Fungus/Yeast)	MYCOL	M2	A combination of morphologic and biochemical tests are conducted. If dimorphic fungi, appropriate Gen-Probe is performed (Coccidioides immitis, Histoplasma capsulatum and Blastomyces dermatitidis are available).	SPECIMEN: Pure culture on mycology slanted media i.e. SAB (Sabouraud Dextrose Agar), or IMA (Inhibitory Mold Agar). Specify isolate identification. Do not send plates for fungal identification. CONTAINER: Submit or mail in a double container according to Infectious Substance Shipping Guidelines. TRANSPORT CONDITIONS: Room temperature (15-30 degrees C)	4 weeks (final)	By report	Culture	87106 87107 87798

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Arthropod Identification	PARA	P1	Identification is made by microscopic exam, or referred to Vector Control if necessary.	SPECIMEN: Arthropod or skin scrapings. CONTAINER: If arthropod, use a jar or cup. If skin scraping, use mineral oil to scrape skin, then transfer to glass slide and cover with another glass slide. COLLECTION: If arthropod is alive, place in a jar with a wet towel; if dead, fix with 70-95% alcohol. For skin scraping slide, place in a slide holder. TRANSPORT CONDITIONS: If arthropod is alive, refrigerate at 2-8 degrees C; if dead, room temperature (15-30 degrees C). Skin scraping slide, room temperature.	24 hours (prelim) 1 week (final)	By report	Microscopy	87168
Cryptosporidium / Giardia Screen	PARA	P2	Direct Fluorescent Antibody (DFA) test and/or modified acid fast stain. (DFA test will also detect Giardia). <i>Cryptosporidium</i> is a significant pathogen in HIV positive patients. This is a combination assay for both <i>Cryptosporidium</i> and <i>Giardia</i> .	SPECIMEN: Preserved stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	3 days (final)	Negative	DFA, Merifluor	87300
Cyclospora Screen	PARA	P3	Fluorescent microscopy and/or modified acid fast test on concentrated formalin specimens. <i>Cyclospora</i> is a significant pathogen in both immunocompromised and immunocompetent patients.	SPECIMEN: Preserved stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	4 days (final)	Negative	UV Microscopy, Epifluorescence	87206
Entamoeba histolytica / E. dispar Differentiation	PARA	P4	EIA test. Entamoeba histolytica is pathogenic whereas Entamoeba dispar is not. Do not order test unless previous positive by routine ova and parasite exam. EIA will confirm presence of the pathogen.	SPECIMEN: Unpreserved fresh stool. CONTAINER: Clean container. COLLECTION: Unpreserved fresh stool is collected in clean container immediately after passage. TRANSPORT CONDITIONS: Specimen is refrigerated at 2-8 degrees C. Transport within 24 hours of collection.	2 days (final)	Negative	EIA, Inverness	87337
Helminth Identification	PARA	P5	Helminth identification is made by microscopic exam.	SPECIMEN: Adult worm or proglottids. CONTAINER: Clean jar or cup. COLLECTION: Place in tap water or 0.85% saline. Do not use formalin or alcohol as a preservative. TRANSPORT CONDITIONS: Refrigerated at 2-8 degrees C.	3 days (final)	Negative	Microscopy	87169

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Isospora Screen	PARA	P6	Fluorescent microscopy and/ or modified acid fast on concentrated formalin specimens. <i>Isospora</i> is a significant pathogen in HIV positive patients.	SPECIMEN: Stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	4 days (final)	Negative	UV Microscopy, Epifluorescence	87206
Malaria/Blood Parasite Screen	PARA	P7	Plasmodium sp. are is detected by microscopic exam of Giemsastained blood smear. Other blood parasites can be observed by Giemsa as well.	SPECIMEN: Blood drawn in an EDTA tube or taken by fingerstick; or prepared thick and thin smears (stained or unstained). Slides should be made within one hour of draw. COLLECTION: Blood drawn between chills with successive draws at 6, 12, and 24 hours is recommended. Blood drawn any time is still acceptable. TRANSPORT CONDITIONS: If blood sent, submit within one hour at room temperature (15-30 degrees C). If slides sent, room temperature. Indicate travel history on lab slip if available.	24 hours	Negative	Microscopy	87207
Microsporidium Screen	PARA	P8	Calcofluor White and/or modified trichrome stains on concentrated formalin specimens. Members of the Microsporidia group are emerging pathogens and significant in HIV positive patients.	SPECIMEN: Stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	3 days	Negative	Microscopy	87015 87207
Ova and Parasite Exam	PARA	P9	Screening procedure for presence of ova and parasites. A concentrated wet preparation and a permanent trichrome stain are examined.	SPECIMEN: Stool. 3 collected every other day is strongly recommended. CONTAINER: 2 vial stool kit with 10% formalin and PVA. COLLECTION: Add stool to each vial up to the "fill" line immediately after passage. Then mix specimen thoroughly. TRANSPORT CONDITIONS: At room temperature (15-30 degrees C). Never incubate or freeze specimens.	4 days	Negative	Microscopy	87015 87177 87209

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Paragonimus Screen	PARA	P10	parasites in respiratory and stool	SPECIMEN: Sputum, fresh stool or preserved stool. CONTAINER: Clean or sterile cup or tube for sputum and fresh stool. 2 vial kit with 10% formalin and PVA for preserved stool. COLLECTION: If sputum, deliver to laboratory within 2 hours. If delay in transport, fix in 5-10% formalin. Fresh stool must be submitted within 24 hours of collection; preserved stool sent in 2 vial stool kit. TRANSPORT CONDITIONS: If sputum or fresh stool refrigerate at 2-8 degrees C. If preserved stool, room temperature (15-30 degrees C).	3 days (final)	Negative	Microscopy	87177 87210
Pinworm Exam	PARA	P11	Examination of pinworm paddle for presence of pinworm ova by light microscopy.	SPECIMEN: Rectal area. CONTAINER: Falcon pinworm paddle or a scotch tape prep on a microscope slide. COLLECTION: Apply paddle to rectal area; or place scotch tape on rectal area, then place on a microscope slide.	3 days (final)	Negative	Microscopy	87172
Pneumocystis Screen	PARA	P12	IFA and /or Giemsa stain. **Pneumocystis jirovecii** is a significant pathogen in HIV positive patients.	SPECIMEN: 2-3 mls. induced sputum, bronchioalveolar lavage and tracheobronchial aspirates. CONTAINER: Clean or sterile cup or vial. COLLECTION: Saline induced sputum. TRANSPORT CONDITIONS: Refrigerated at 2-8 degrees C.	2 days (final)	Negative	Monofluo IFA	87015 87281

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Adenovirus Antibody	SERO	S1	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Amebiasis Antibody	SERO	S2	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Arbovirus Antibody	SERO	S3	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Blastomyces Antibody	SERO	S4	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Brucella Antibody	SERO	S5	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT
Chagas Disease Antibody, (<i>Trypanosoma cruzi</i>)	SERO	S6	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Chlamydia Antibody	SERO	S7	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Coccidioides Antibody	SERO	S8	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Cryptococcus Antibody	SERO	S9	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Cysticercosis Antibody (<i>Taenia solium</i>)	SERO	S10	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Cytomegalovirus Antibody	SERO	S11	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Delta Hepatitis Antibody	SERO	S25	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Dengue Fever Antibody	SERO	S12	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Echinococcus Antibody	SERO	S13	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Enterovirus IgM Antibody	SERO	S14	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Epstein-Barr Virus Antibody	SERO	S15	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Filariasis Antibody (<i>Wucheria bancrofti,</i> <i>Brugia sp.</i>)	SERO	S16	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Hantavirus Antibody	SERO	S17	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Hepatitis A IgM Antibody	SERO	S19	Chemiluminescent Immunoassay (CIA) HAV IgM (aHAVM)	SPECIMEN: Serum, 0.100 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86709
Hepatitis A Total Antibody	SERO	S67	Chemiluminescent Immunoassay (CIA) HAV Total (HAVT)	SPECIMEN: Serum, 0.100 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86708

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Hepatitis Acute Panel, includes: Hepatitis A IgM, S19 Hepatitis B Surface Ag, S22 Hepatitis B Core IgM, S20 Hepatitis C Total Ab, S24	SERO	S18	Chemiluminescent Immunoassay (CIA)	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86709 87340 86705 86803
Hepatitis B Core IgM Antibody	SERO	S20	Chemiluminescent Immunoassay (CIA) HBcIgM (aHBcM)	SPECIMEN: Serum, 0.100 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86705
Hepatitis B Core Total Antibody	SERO	S21	Chemiluminescent Immunoassay (CIA) HBcTotal (HBcT)	SPECIMEN: Serum, 0.15 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86704
Hepatitis B Surface Antigen Antibody	SERO	S23	Chemiluminescent Immunoassay (CIA) Anti-HBs (aHBs)	SPECIMEN: Serum, 0.350 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86706
Hepatitis B Surface Antigen Screen	SERO	S22	Chemiluminescent Immunoassay (CIA) HBsAg (HBs)	SPECIMEN: Serum, 0.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	87340

TEST NAME	DEPT		DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Hepatitis C Ab Total	SERO	S24	Chemiluminescent Immunoassay (CIA) HCV	SPECIMEN: Serum, 0.1 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	48 hours (from time of receipt at lab)	Negative	CIA, Siemens	86803
Herpes Simplex Virus Antibody	SERO	S26	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Histoplasma Antibody	SERO	S27	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
HIV 1 Viral Load TaqMan v2.0	SERO	S68	Automated nucleic acid extraction and quantitative real time RT-PCR assay	SPECIMEN: Plasma, 2.0 ml (min. vol. 1.0 ml) CONTAINER: Vacutainer Lavender Top (EDTA) COLLECTION: Aseptically collect 3ml of blood in Lavender Top (EDTA) tube. Draw approximately 2.5 times the volume of whole blood as the volume of plasma required. Plastic tubes only. TRANSPORT CONDITIONS: Refrigerated: Transport to lab within 24 hours. Frozen: Transport on dry ice, must arrive at lab frozen. Separated plasma only	4 working days after receipt in lab	Not Detected	Roche AmpliPrep/ COBAS® TaqMan HIV-1 Tests v 2.0	87536 86689
HIV-1 Antibody, Confirmation IFA included with antibody screen if required	SERO	S103	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	HIV-1 Fluorognost HIV-1 IFA Walheim	86701

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
HIV-1 Oral Fluid Screen	SERO	S28	Enzyme Immunoassay	SPECIMEN: Oral fluid CONTAINER: Orasure oral fluid collection vial. COLLECTION: See serology specimens collection guide. TRANSPORT CONDITIONS: Room Temperature: Acceptable, 21 days Refrigerated: Acceptable, 21 days Frozen unacceptable	7 days	Negative	Avioq	86701
HIV-1, 2 Antibody Screen, Includes confirmation if required (IFA or Western Blot)	SERO	S31	Chemiluminescent Immunoassay (CIA) HIV 1/0/2 Enhanced (EHIV)	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	HIV 1/0/2 Enhanced (EHIV), Siemens	86703 86689
Influenza A Antibody	SERO	S33	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Influenza B Antibody	SERO	S34	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Legionnella Antibody	SERO	S35	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Leishmania Antibody	SERO	S36	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Leptospira Antibody	SERO	\$37	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
LGV Antibody	SERO	\$40	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8386	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Listeria Antibody	SERO	S38	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Lymes Disease (<i>Borrelia</i> burgdorferi) Antibody	SERO	\$39	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Malaria Antibody	SERO	S41	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Measles Antibody IgG and IgM	SERO	S43	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	4 days	Negative	Measles-GTest System & Measles-MTest System, Bion	86765
Melioidosis Antibody (<i>Burkholderia</i> <i>psuedomallei</i>)	SERO	S42	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Mumps Antibody	SERO	S44	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Mycoplasma Antibody	SERO	S45	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Paragonimus Antibody	SERO	S46	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Parainfluenza Antibody	SERO	S47	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Parvovirus Antibody	SERO	S48	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Pertussis Antibody	SERO	S49	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Plague Antibody (Yersinia pestis)	SERO	\$50	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Poliovirus Antibody	SERO	S51	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Rabies Antibody	SERO	S52	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Relapsing Fever Antibody (Borrelia sp.)	SERO	S53	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Respiratory Syncytial Virus Antibody	SERO	S54	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Rickettsial Antibody	SERO	S55	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Rubella IgG Antibody (Immune status)	SERO	S56	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 working days	Negative	Send Out	99001
Rubella IgM Antibody	SERO	S70	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	Send Out	99001
Salmonella typhi Antibody	SERO	S57	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Serology, Other (Specify disease suspected)	SERO	S32	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Serology, Other (Specify disease suspected)	SERO	S32	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	Dependant upon patient symptoms and disease suspected call laboratory, 714-834-8385	14 working days	Negative	Send Out	99001
Syphilis Confirmation (FTA-ABS)	SERO	S107	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	FTA-Abs, T. pallidum, Scimedx	86781

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Syphilis Confirmation (TP-PA)	SERO	S59	Passive Agglutination	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	Serodia, TP-PA, Fujirebio	86781
Syphilis Screen RPR	SERO	S58	Macroscopic non-treponemal flocculation card test	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Non-reactive	BD Macrovue RPR Kit	86592
TB Gamma Interferon	SERO	S60	Interferon Gamma Release Assay	SPECIMEN: Whole Blood CONTAINER: 1 set QuantiFERON®-TB Gold IR; 1.0 ml each tube: Nil control (grey cap with white ring), TB Antigen (red cap with white ring), Mitogen Control (purple cap with white ring). COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature within 16 hours. DO NOT REFRIGERATE.	7 days	Negative	Cellestis	86480
Toxoplasma Antibody	SERO	S61	Indirect Fluorescent Antibody	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	7 days	Negative	IFA Test System, GenBio	86777
Trichinosis Antibody (<i>Trichinella spiralis</i>)	SERO	S63	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Tularemia Antibody (<i>Francisella tularensis</i>)	SERO	S64	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Varicella zoster Antibody	SERO	S65	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Vibrio cholerae Antibody	SERO	S66	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
Visceral Larval Migrans Antibody (<i>Toxocara</i>)	SERO	S62	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	14 working days	Negative	Send Out	99001
West Nile Virus Antibody	SERO	S109	Indirect Immunofluorescent Assay	SPECIMEN: Serum, 2.5 ml CONTAINER: Serum Separator Tube (SST), (1 Tiger Top, or 1 Gold Top), or 1 Red Top. COLLECTION: See serology specimen collection guide for details. Plastic tubes only. TRANSPORT CONDITIONS: Room Temperature: Acceptable Refrigerated: Acceptable Frozen: -20°C, serum only	2 to 7 days	Negative	IFA, State VRDL	86789

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
West Nile Virus Antibody	SERO	S110	Sent To Reference Lab. Additional	SPECIMEN: Serum, 2.5 ml	14	Negative	Send Out	99001
Sendout			information required. Please	CONTAINER: Serum Separator Tube (SST), (1 Tiger	working			
			contact laboratory. 714-834-8385	Top, or 1 Gold Top), or 1 Red Top.	days			
				COLLECTION: See serology specimen collection guide				
				for details. Plastic tubes only.				
				TRANSPORT CONDITIONS:				
				Room Temperature: Acceptable				
				Refrigerated: Acceptable				
				Frozen: -20°C, serum only				
				-				

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Chlamydia/ Gonorrhea NAAT	VIRO	V1	Qualitative Nucleic Acid Amplification	SPECIMEN: Genital swab or first catch urine CONTAINER: GEN-PROBE APTIMA COMBO 2 swab transport tube or urine transport tube. COLLECTION: See virology specimen collection guide TRANSPORT CONDITIONS: Room Temperature: 2-30 degrees C acceptable, within 30 days (urines), 60 days (swabs) Refrigerated: 2-8 degrees C preferred, within 30 days (urines), 60 days (swabs)	72 hours	Negative	Genprobe, Aptima COMBO 2	87491 87591
Influenza PCR	VIRO	V8	CDC Human Influenza Virus Real- Time, RT-PCR Diagnostic Panel (CDC FlurRT-PCR Dx Panel)	SPECIMEN: Infected tissue culture. CONTAINER: Tissue culture tube. COLLECTION: Not applicable TRANSPORT CONDITIONS: Transport to laboratory at 2-8 degrees C as soon as possible.	2 days (prelim) 1 week (final)	Negative	Real Time RT- PCR, CDC	87501
Norovirus PCR	VIRO	V7	For EPI purposes, call laboratory for further instructions.	SPECIMEN: Stool. CONTAINER: Sterile screw cap container. COLLECTION: Collect stool during acute phase within 48- 72 hours of onset. TRANSPORT CONDITIONS: Transport to laboratory at 2-8 degrees C as soon as possible, no later than 5 days after collection.	2 days (prelim) 2 weeks (final)	Negative	Real Time RT- PCR, CDC/VRDL	83891 83902 83898 87799 83912
Viral Culture (Specify virus suspected)	VIRO	V3	Tissue Culture Isolation, Typing (if required)	Dependant upon patient symptoms and virus suspected. See virology specimen collection guide or call laboratory 714-834-8326	2 days (prelim) 2 weeks (final)	Negative	Culture	87252 87253
Viral Culture ID	VIRO	V4	Tissue Culture Isolation, Identification	SPECIMEN: Infected tissue culture. CONTAINER: Tissue culture tube. COLLECTION: Not applicable TRANSPORT CONDITIONS: Transport to laboratory at 2-8 degrees C as soon as possible.	2 weeks	By report	Culture	87252 87253
Viral Culture Sendout	VIRO	V101	Sent To Reference Lab. Additional information required. Please contact laboratory. 714-834-8385	Not applicable. Culture sent to reference lab are received/ordered in house from cultures already in progress.	4 weeks	By report	Send Out	99001
Viral Culture, Respiratory Syncytial Virus	VIRO	V3	Tissue Culture Isolation	SPECIMEN: Nasopharyngeal swab, Nasal wash, Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	14 days	Negative	Culture	87253

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Viral Culture, Adenovirus	VIRO	V3	Tissue Culture Isolation	SPECIMEN: Nasopharyngeal swab, Nasal wash, Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	14 days	Negative	Culture	87252 87253
Viral Culture, Enteroviruses	VIRO	V3	Tissue Culture Isolation, Typing	SPECIMEN: CSF, Stool, Throat swab CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific instructions.	21 days	Negative	Culture	87252 87253
Viral Culture, Herpes Screen	VIRO	V5	Tissue Culture Isolation, Typing	SPECIMEN: Lesion swab CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen guide for specific instructions.	1 week	Negative	Culture	87252 87253 87273 87274
Viral Culture, Influenza	VIRO	V6	Tissue Culture Isolation, Typing	SPECIMEN: Nasopharyngeal swab, Nasal wash, Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	2 days (prelim) 2 weeks (final)	Negative	Culture	87254
Viral Culture, Parainfluenza	VIRO	V3	Tissue Culture Isolation, Typing	SPECIMEN: Nasopharyngeal swab, Nasal wash< Throat swab, Bronchial wash CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific transport conditions.	14 days	Negative	Culture	87252 87253
Viral Culture, Varicella- Zoster	VIRO	V3	Tissue Culture Isolation	SPECIMEN: Vesicle fluid or scraping CONTAINER: See virology specimen collection guide. COLLECTION: See virology specimen collection guide for specific instructions. TRANSPORT CONDITIONS: See virology specimen collection guide for specific instructions.	14 days	Negative	Culture	87252 87253 87290

TEST NAME	DEPT	TESTS	DESCRIPTION	SPECIMEN REQUIREMENTS	TAT	REFERENCE RANGE	TEST METHOD	CPT CODES
Viral ID, Rabies	VIRO	V2	Direct Fluorescent Antibody	SPECIMEN: Freshly severed animal head, delivered by	24	Negative	FITC Anti-Rabies	87003
				Animal Care Services or fresh unpreserved animal	hours,		Fujirebio	87299
				brain. (no formalin)	working			
				CONTAINER: Any sterile transport container.	days			
				COLLECTION: Remove brain from cranium of suspected				
				animal, do not place in formalin.				
				TRANSPORT CONDITIONS:				
				Transport to laboratory on wet ice or refrigerated,				
				within 24 hrs.				

Mycobacteriology Specimen Collection Guide

TEST	SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Mycobacterium culture and sensitivity		Inoculate 5.0 ml of uncoagulated blood directly into a BACTEC MYCO/F Lytic Culture Vial or 10 ml of blood drawn into a SPS (yellow top). SPS is the preferred anticoagulant but heparinized blood is also acceptable. BACTEC MYCO/F Lytic Culture Vials are available from the lab.	Room temperature (15-30 degrees C)
	Body fluids	Abdominal (peritoneal, paracentesis, dialysis, bile): Collect 10-15 ml aseptically into sterile tube. Pericardial, Synovial: Collect 3-5 ml aseptically into sterile tube. Exudates: Collect 3-5 ml aseptically into sterile tube.	Refrigerated at 2-8 degrees C.
	Bone marrow	Collect into SPS blood collection tube or inoculate BACTEC MYCO/F Lytic Culture Vial directly. BACTEC MYCO/F Lytic Culture Vials are available from the lab.	Room temperature (15-30 degrees C)
	CSF	Collect 3-5 ml into sterile screw-cap tube.	Refrigerated at 2-8 degrees C.
	Gastric lavage fluid	12 hrs and then collect specimen in the morning before eating food. Specify time of collection on container.	Transport within 4 hours after collection at 2-8 degrees C. If specimen transport is delayed more than 4 hours from collection time, add 100 mg of sodium carbonate.
	Processed respiratory specimens	Send at least 1.0 ml of specimen processed with NALC/NaOH procedure (see CDC guidelines for procedure).	Refrigerated at 2-8 degrees C.

Mycobacteriology Specimen Collection Guide

TEST	SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Mycobacterium culture and sensitivity cont.	Respiratory: - sputum - aerosol - bronchoalveolar lavage (BAL) - tracheal aspirate	Collect 5-7 ml of respiratory secretion in sterile container without fixatives or preservatives: Aerosol (induced sputums) - inhalation of warm hypertonic saline induces couching and the production of a thin, watery specimen. Aerosols are preferred over sputum specimens. Sputum - collect the material brought up after a deep, productive cough. Bronchial washings - using a bronchoscope inject saline in segmental (for bronchial wash) or subsegmental (for bronchoalveolar lavage) bronchus. Suction saline out into a sterile container. Transtracheal aspirate - collect aspirate in sterile container.	Refrigerated at 2-8 degrees C.
	Stool (for detection of <i>M. avium</i> complex in HIV patients)	Collect into a sterile wax free container without fixative or preservative.	Refrigerated at 2-8 degrees C.
	Tissue biopsy (lymph nodes, deep wedge biopsies, external sources)	Collect tissue into sterile container without fixatives or preservatives. If the tissue is small or not immediately sent to the lab add sterile saline.	Refrigerated at 2-8 degrees C.
	Urine	Wash the external genitalia then immediately collect 30-50 ml of a single early morning midstream urine sample into a sterile container.	Refrigerated at 2-8 degrees C.
Mycobacterium tuberculosis complex NAAT	Gastric Lavage fluid	Collect 5-10 ml gastric specimen in sterile container. Have the patient fast 8-12 hrs and then collect specimen in the morning before eating food. Specify time of collection on container.	Transport within 4 hours after collection at 2-8 degrees C. If specimen transport is delayed more than 4 hours from collection time, add 100 mg of sodium carbonate.

Mycobacteriology Specimen Collection Guide

TEST	SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Mycobacterium tuberculosis complex NAAT cont.	Processed respiratory specimens*	(see CDC guidelines for procedure)	Refrigerated at 2-8 degrees C if transported within 3 days of collection. If longer, transport frozen, on dry ice (-20 degrees C or colder).
	Respiratory: (unprocessed) - sputum - aerosol - bronchoalveolar lavage (BAL) - tracheal aspirate	Collect 5-7 ml of respiratory secretion in sterile container. Aerosol (induced sputums) - inhalation of warm hypertonic saline induces couching and the production of a thin, watery specimen. Aerosols are preferred over sputum specimens. Sputum - collect the material brought up after a deep, productive cough. Bronchial washings - using a bronchoscope inject saline in segmental (for bronchial wash) or subsegmental (for bronchoalveolar lavage) bronchus. Suction saline out into a sterile container. Transtracheal aspirate - collect aspirate in sterile container.	Refrigerated at 2-8 degrees C.

*Additional testing is dependent on amount of specimen available.

Additional specimen may be necessary to perform all tests.

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Abscess	Clean abscess surface with sterile saline or 70% alcohol. Fluid or abscess material is preferred over swab. Collect fluid/abscess material in clean tube and swab in Modified Amies Clear media. (Transport swabs with Modified Amies Clear media available at lab.)	Room temperature (15-30 degrees C)
Blood	Collect 8-10 ml of blood drawn into a Myco F/Lytic bottle (available at lab).	Room temperature (15-30 degrees C) Transport to lab as soon as possible.
CSF	Collect 3-5 ml into sterile screw-cap tube.	Transport to lab within 24 hours of collection at room temperature (15-30 degrees C).
Ear	Collect swab of infected area and transport in Modified Amies Clear media. (Transport swabs with Modified Amies Clear media available at lab.)	Room temperature (15-30 degrees C)
Hair	Collect 5-10 hairs (and base of shaft) in clean tube or container, in a paper envelope, or directly inoculated onto IMA media (Inhibitory Mold Agar).	Room temperature (15-30 degrees C)
Mucocutaneous membranes (mouth, vaginal, urethral)	Collect swab of infected area and transport in Modified Amies Clear media. (Transport swabs with Modified Amies Clear media available at lab.)	Room temperature (15-30 degrees C)
Nails	Clean nail with 70% alcohol. Scrape nail and discard. Scrape nail again from infected area and save in sterile container, a paper envelope, or directly inoculated onto IMA media (Inhibitory Mold Agar).	Room temperature (15-30 degrees C)

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Respiratory	Collect 7-10 ml of aerosol, early morning sputum, tracheal aspirates, lung biopsy, and bronchoscopy specimens in sterile container.	Refrigerated at 2-8 degrees C.
Skin	Clean skin with 70% alcohol. Scrape the lesion at the active margin but do not draw blood. Place scrapings in clean container or directly inoculate onto IMA media (Inhibitory Mold Agar).	Room temperature (15-30 degrees C)
Tissue	Submit in sterile container with small amount of sterile saline (do not allow tissue to dry out).	Room temperature (15-30 degrees C)
Urine	Collect 25-30 ml of catheterized or early morning clean catch urine.	Refrigerated at 2-8 degrees C.

Parasitology Specimen Collection Guide

TEST	SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Ova and parasite exam	Preserved stool	Collect stool into or onto a clean dry container. Make sure stool is not contaminated with urine or water. Transfer stool to the fill line of both the Formalin and PVA vials (pink and blue top vials) provided.	Transport at room temperature (15-30 degrees C). Do not refrigerate.
Entamoeba histolytica/ E. dispar differentiation	Fresh stool	Collect stool into or onto a clean dry container with a screw capped lid. Make sure stool is not contaminated with urine or water.	Refrigerate. Transport fresh stool to lab within 24 hours. If transport time will be delayed the stool should be frozen.
Helminth	Worm, tapeworm proglottid or scolex	Place the worm in a clean container. Cover with saline or cold water.	Refrigerated at 2-8 degrees C.
Arthropod	Live arthropod	Place the insect in a container with a screw cap lid. Include a piece of moistened paper towel.	Refrigerated at 2-8 degrees C.
	Dead arthropod	Place arthropod in a container with a screw cap lid. Add a small amount of 70-95% Ethanol.	Transport at room temperature (15-30 degrees C).
Malaria	Smear for Malaria ID	Fingerstick blood is preferred or blood collected into EDTA. Smears must be prepared within 1 hour of collecting blood. Submit both thick and thin smears stained with Giemsa stain.	Transport at room temperature (15-30 degrees C).

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Serum	Aseptically collect 8-10 ml of whole blood in one of the following Serum Separator Tubes (SST); tiger top, gold top, or a red top may be used instead of the SST. If a delay of more than 48 hours is anticipated prior to delivery to the lab, centrifuging is recommended. Do not freeze whole blood.	Hold at 2-22 degrees C until transportation to the laboratory. Transport to the laboratory at room temperature (15-30 degrees C) within 2-4 days of collection.
Serum, Acute-phase	Acute-phase specimens should be collected as soon as possible, no later than 5-7 days after onset of the disease. Aseptically collect 8-10 ml of whole blood in one of the following Serum Separator Tubes (SST), (tiger top, gold top). Alternately, a red top may be used instead of the SST. If a delay of more than 48 hours is anticipated prior to delivery to the lab, centrifuging the specimen is recommended. Gold top tubes only contain 5 ml of whole blood and may be used for small draws. Label lab slip and specimen as acute. Do not freeze whole blood.	Hold at 2-22 degrees C until transportation to the laboratory. Transport to the laboratory at room temperature (15-30 degrees C) within 2-4 days of collection.
Serum, Convalescent-phase	Convalescent-phase specimens are usually collected 10-14 days after acute-phase specimens. Aseptically collect 8-10 ml of whole blood in one of the following Serum Separator Tubes (SST), (tiger top, gold top). Alternately, a red top may be used instead of the SST. If a delay of more than 48 hours is anticipated prior to delivery to the lab, centrifuging the specimen is recommended. Label lab slip and specimen as convalescent. Do not freeze whole blood.	Hold at 2-22 degrees C until transportation to the laboratory. Transport to the laboratory at room temperature (15-30 degrees C) within 2-4 days of collection.
Plasma for viral load	Fresh: Aseptically collect 1 lavender top tube of whole blood with EDTA anticoagulant. Mix well by gently inverting the tube 5-6 times. Do not freeze whole blood. Frozen: If transportation to the lab cannot be accomplished within 24 hours, centrifuge the specimen at 800-1,600 x g for 20 minutes, transfer plasma to a sterile polypropylene tube and freeze at -20 degrees C. Ship the frozen plasma to the lab on dry ice.	Hold at 2-8 degrees C prior to transportation to the laboratory. Transport to the laboratory within 24 hours of collection. Plasma may be frozen at -20 degrees C and shipped to the lab on dry ice.

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
	erroneous results.	Hold at room temperature (15-30 degrees C) prior to transportation to the laboratory. Transport to the laboratory within 24 hours of collection. DO NOT REFRIGERATE
Oral fluid	, , ,	Transport to laboratory at room temperature (15-30 degrees C) not to exceed 37 degrees C (98 degrees F), within 21 days of collection.

GENERAL CONSIDERATIONS

- 1. Use only plastic collection tubes, glass tubes will not be processed.
- 2. Whole blood should never be frozen, as this will cause the specimen to hemolyze rendering it unacceptable for testing.
- 3. Allow blood to clot at least 30 minutes at room temperature (15-30 degrees C) before centrifuging to prevent hemolysis.
- 4. Blood may be stored refrigerated after clotting prior to being transported to the laboratory.
- 5. Some tests may require an acute and convalescent specimen and are so noted in the test request section of this document.

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Bronchial wash	Bronchial and bronchoalveolar washes are usually collected from hospitalized patients using specialized (invasive) procedures.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Cervical swabs	Prior to collecting the specimen, clean mucus from the cervix using a sterile swab; discard this swab. Using another sterile swab, or Cytobrush, obtain cells from the cervical os, swab any lesions that may be visible. Remove swab or brush and place in a vial with viral transport medium. If a viral Culturette is being used, replace the second swab used to collect cells in the sleeve and break the vial at the bottom of the sleeve to moisten the swab with viral transport medium.	
CSF	Collect 2 ml of CSF into a sterile screw-capped tube or vial (1 ml for infants). Do not dilute the specimen; refrigerate as soon as possible.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Genital swab - Females (Chlamydia nucleic acid amplification)	Using a large-tipped swab, remove excess mucus from the exocervix and discard. Insert the small-tipped specimen swab into the endocervix and rotate the swab for 15-30 seconds to ensure adequate sampling. (Avoid touching the vaginal walls with the swab and DO NOT USE THE LARGE-TIPPED SWAB FOR SPECIMEN COLLECTION). Place the small-tipped swab into the transport vial, making sure that there is Swab Transport Buffer in the bottom of the vial. Break the swab at the score line and replace the screw cap securely. Make sure the screw cap clicks into place when closing the transport vial.	

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Genital swab - Males (Chlamydia nucleic acid amplification)	For accurate test results, it is recommended that the patient not urinate for one hour prior to specimen collection. Insert the small-tipped specimen swab 2-4 cm into the urethra and rotate the swab for 3-5 seconds. Place the small-tipped swab into the transport vial, making sure that there is Swab Transport Buffer in the bottom of the vial. Break the swab at the score line and replace the screw cap securely. Make sure the screw cap clicks into place when closing the transport vial.	Hold specimens at 2-30 degrees C until transported to the laboratory. Transport to laboratory within 72 hours at 2-30 degrees C.
Nasal swabs	Use a dry synthetic fiber swab to swab each nostril. Allow the swab to remain in place for a few seconds to absorb secretions. If using a viral Culturette system, replace the swab in the sleeve and break the vial at the bottom of the sleeve to moisten the swab with viral transport media, or place swab in a sterile, screw-capped vial with 2-3 ml of viral transport medium.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Nasal washings	While the patient's head is tilted back slightly, instill several milliliters of sterile saline into each nostril; bring the head forward and allow the saline to drain into a small sterile container held beneath the nose. A small catheter with suction may be used with infants. Pour the contents into a sterile, screw-capped vial.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Pharyngeal/Throat swabs	Using a synthetic fiber swab, dry or moistened with viral transport medium, rub the tonsils and posterior pharynx and return the swab to Culturette sleeve, break the vial at the bottom of the sleeve to moisten the swab with viral transport medium, or place in sterile, screw capped vial with 2-3 ml of viral transport medium.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Throat swab - Males (Chlamydia nucleic acid amplification)	Using the small-tipped specimen swab, swab area between the tonsillar pillars and the region posterior to the pillars (DO NOT USE THE LARGE-TIPPED SWAB FOR SPECIMEN COLLECTION). Place the small-tipped swab into the transport vial, making sure that there is Swab Transport Buffer in the bottom of the vial. Break the swab at the score line and replace the screw cap securely. Make sure the screw cap clicks into place when closing the transport vial.	Hold specimens at 2-30 degrees C until transported to the laboratory. Transport to laboratory within 72 hours at 2-30 degrees C.
Rectal swab	Rectal swabs are not satisfactory for the isolation of enteroviruses but may be used for cases of proctitis. Insert a dry swab 3-4 cm past the anal sphincter, rotate the swab, and withdraw it. Return the swab to the sleeve of the viral Culturette and break the vial at the bottom of the sleeve to moisten swab with viral transport medium or place swab into a screw capped vial with 2-3 ml of viral transport medium.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Rectal swab - Males (Chlamydia nucleic acid amplification)	Use the small-tipped specimen swab only (DO NOT USE THE LARGE-TIPPED SWAB FOR SPECIMEN COLLECTION). For ASYMPTOMATIC men: Moisten swab with sterile saline and insert into anus and rectum. Leave for 20 seconds. For SYMPTOMATIC men: Swab rectal mucosa through the anoscope. Place the small-tipped swab into the transport vial, making sure that there is Swab Transport Buffer in the bottom of the vial. Break the swab at the score line and replace the screw cap securely. Make sure the screw cap clicks into place when closing the transport vial.	Hold specimens at 2-30 degrees C until transported to the laboratory. Transport to laboratory within 72 hours at 2-30 degrees C.

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Stool	Collect a 2-5 gram portion of stool (formed or liquid) and place in a sterile leakproof container. No transport medium is required.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Urine	Clean, voided urine specimens collected in sterile conventional containers, while not the specimen of choice, are acceptable for isolation of most viruses. No special collection requirements are needed. Specimens should be kept refrigerated until transported to the laboratory.	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.
Urine (CMV)	Urine is the specimen of choice for the isolation of Cytomegalovirus (CMV). Clean, voided urine, collected in sterile conventional containers are recommended.	Transport to the laboratory within 4 hours of collection at 2-8 degrees C. (ON WET ICE, place ice in double ziploc bag.)
Urine (Chlamydia nucleic acid amplification)	Patient should not urinate at least one hour prior to collection of specimen. Collect the first 20-30 ml of voided urine (the first part of the stream) in a sterile, plastic, preservative-free, urine collection cup. Remove the cap and transfer 2 mL of urine into the urine specimen transport tube using the disposable pipette provided. The correct volume of urine has been added when the fluid level is between the black fill lines on the urine specimen transport tube label. Re-cap the urine specimen transport tube tightly.	Hold specimens at 2-30 degrees C until transported to the laboratory. Transport to laboratory within 72 hours at 2-30 degrees C.

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
	healing have begun. For aspirates of vesicular fluids, use a 26-27 gauge needle attached to a tuberculin syringe or a capillary pipette to aspirate clear vesicular fluid. When using swabs obtain both fluid and cells from open lesions and place swab in sleeve of Culturette, break the vial at the bottom of the sleeve to moisten the swab with viral transport medium or break swab into a screw capped vial with	Transport to the laboratory as soon as possible, no later than 72 hours, at 2-8 degrees C. Specimens that cannot be transported within 72 hours should be frozen at -70 degrees C and transported on dry ice.

GENERAL CONSIDERATIONS

- 1. Generally, specimens for viral isolation should be held at 4-6 degrees C (but not frozen) just prior to inoculation and should be transported to the laboratory as soon as possible, not later than 72 hours. Specimens that cannot be transported to the lab within 72 hours should be frozen at -70 degrees C and transported on dry ice.
- 2. Collect specimens within 3-7 days after the onset of illness for viral isolation. Specimens for influenza isolation should be collected within 3 days of onset.
- 3. Collect postmortem specimens, using aseptic techniques, as soon as possible after death. Refrigerate specimens after collection and transport to laboratory as soon as possible.
- 4. Calcium alginate swabs are not acceptable for the isolation of Herpes Simplex virus and Chlamydia. Also charcoal-impregnated swabs inactivate virus infectivity and should not be used for virus isolation.
- 5. Avoid the use of cotton swabs (inhibit PCR) as well as swabs with wooden shafts as they inactivate virus infectivity.

Molecular Specimen Collection Guide

SPECIMEN	COLLECTION INSTRUCTIONS	TRANSPORT
Plasma for HIV Genotyping	Fresh: Aseptically collect 1 pearl top tube of whole blood with EDTA anticoagulant with a separator. Mix well by gently inverting the tube 5-6 times. Centrifuge the specimen at 800-1,600 x g for 20 minutes within 30 minutes of collection. Do not freeze whole blood.	Hold at 2-8 degrees C prior to transportation to the laboratory. Transport to the laboratory within 24 hours of collection. Plasma may be frozen at -20 degrees C and
	Frozen: If transportation to the lab cannot be accomplished within 24 hours, freeze at -20 degrees C. Ship the frozen plasma to the lab on dry ice.	shipped to the lab on dry ice.