

STATE OF CONNECTICUT

Dr. Katherine A. Kelley State Public Health Laboratory 395 West St., Rocky Hill, CT 06067

Directory of Clinical Testing Services

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Specimen Submission Instructions

Setting up an account

Specimen submission requires the establishment of an account with the Department of Public Health Laboratory. This is done by calling the Quality Assurance Manager at (860) 920-6507 and supplying account specific information. A profile number and customized Clinical Test Requisitions will be provided.

Collection kits

Collection tubes and mailing materials are available for many of the orderable tests. Refer to Collection Kit Ordering Information for specific information. Collection kits may be obtained by calling (860) 920-6674 or (860) 920-6675. Requests via e-mail may be made to DPH.outfitroom@ct.gov

Clinical Test Requisition

Each specimen must be accompanied by a Clinical Test Requisition completed with the following information:

- Name and address of the submitter (and/or profile number)
- Patient name or unique identifier, date of birth, town of residence (city, state, zip)
- Test requested
- Date collected
- Specimen type or source of collection

Additional information may be needed for certain tests, as noted in the instructions for that test.

Clinical Test Requisitions may be found on the Dr. Katherine A. Kelley State Public Health Laboratory webpage located at, www.ct.gov/dph/cwp/view.asp?a=3122&q=396860

Quality Assurance

Test results will be withheld if required information is missing from the test requisition. Results will be released only after missing or corrected information is received by the laboratory.

Specimens must be legibly labeled with the patient's name or unique identifier. Testing cannot be performed on unlabeled specimens. Mis-labeled or illegibly labeled specimens will not be tested unless the submitter can correct the identification problem.

Collection Kit Ordering Information

The following collection kits are available, at no cost, from the Department of Public Health Laboratory. All collection kits contain a specimen container and packaging supplies. Collection kits can be obtained by calling the outfit room, (860)920-6674 or (860) 920-6675, Monday-Friday, 8:00 AM to 4:00 PM. Requests may also be submitted via e-mail to DPH.outfitroom@ct.gov

Test (alphabetical order)	Collection Kit ID	Kit contents
Blood lead screen (capillary collection)	PB-MV OL-201	Capillary blood collection tubes (specify quantity), absorbent pad, inner/outer mailing containers. Available in 2 sizes. Please specify large (for multiple samples) or small (for a single specimen).
Blood lead, whole blood	LFB	Vacutainer® blood collection tube (beige top) with K ₂ EDTA preservative, absorbent pad, inner/outer mailing container.
Bordetella pertussis	WC OL-37	2 sterile polyester-tipped nasopharyngeal collection swabs, 1 vial 1% casamino acid diluent, 1 Regan Lowe agar slant, 2 glass slides with etched circles, collection instructions, absorbent pad, inner/outer transport container.
Chlamydia/GC DNA Probe	GC/CT OL-200	Urine and/or female or male swab collection kit (please specify), absorbent pad, inner/outer transport container. Available in 2 sizes. Please specify large (for multiple samples) or small (for a single specimen).
Enteric (stool) culture	FE OL-39	Cary Blair transport media, absorbent pad, inner/outer transport container.
Hepatitis B Hepatitis C HIV	VR-H OL-43	Vacutainer® 5.0 mL SST blood collection tube, absorbent pad, inner/outer transport container.
Infectious disease (viral) serology	VR-H OL-43	Vacutainer® 5.0 mL SST blood collection tube, absorbent pad, inner/outer transport container. Blue filter paper collection card,
Newborn screening		blue envelope, collection instructions
Norovirus PCR	FE OL-39	Cary Blair transport media, absorbent pad, inner/outer transport container.
QuantiFeron-TB Test	TC OL-40	Test-specific collection tubes (Nil control, TB antigen, and Mitogen), absorbent pad, inner/outer transport container.

Referred culture	RC	Absorbent pad, inner/outer transport container.
(enteric or EIP isolate,	OL-45	
BT agent for ID)		
Syphilis serology	SY	Vacutainer® 5.0 mL SST blood collection tube,
	OL-46	absorbent pad, inner/outer transport container.
Tuberculosis culture	TC	50 mL plastic centrifuge tube,
	OL-40	absorbent pad, inner/outer transport container.
	VR-C	Viral transport media,
Viral culture	OL-60	sterile collection swab,
		absorbent pad, inner/outer transport container.
Virus serology	VR-H	Vacutainer® 5.0 mL SST blood collection tube,
	OL-43	Absorbent pad, inner/outer transport container.
Viral PCR	Cat B	Viral transport media and collection swabs (specify
(Mumps, Measles,	shipping	quantity),
Influenza, HSV)	box (Saf T	collection instructions,
	Pak STP	cold pack,
	309)	absorbent pad, inner/outer transport container.

AFE	B Clinical Specimen (Mycobacteria Smear & Culture)
Test description	Acid fast microscopy and culture of pulmonary and non-pulmonary clinical specimens.
Test use	To determine the presence or absence of mycobacteria in clinical specimens and, if isolated, to identify to the species or complex.
Test	Mycobacteriology Laboratory
department	Phone: (860) 920-6649, FAX: (860) 920-6721
Methodology	Smear by Auramine-rhodamine fluorescent stain. Culture using agar (Lowenstein- Jensen) and broth (BACTEC™ MGIT™) media. Identification methods: DNA probe, High Performance Liquid Chromatography (HPLC), biochemical testing and growth characteristics.
Availability	Daily, Monday-Friday. Negative cultures are reported after 6 weeks incubation.
Specimen Requirements	Clinical specimens from pulmonary and extra pulmonary sites. Sputum: minimum volume 3 mL (5-10 mL preferred) collected in a sterile 50 mL conical tube. Swab specimens are strongly discouraged.
Collection Kit/Container	To obtain collection kit, refer to Collection Kit Ordering Information.
Collection Instructions	Varies according to anatomic site. If needed, site specific collection instructions may be obtained by calling the Mycobacteriology Laboratory.
Specimen Handling & Transport	Store at 2-8° C. Transport as soon as possible to laboratory. Transport with an ice pack coolant (preferred) or at ambient temperature. Avoid temperature extremes. Exceptions: Room temperature storage and transport is required for blood, bone marrow, CSF, tissue, and gastric wash/lavage samples.
Unacceptable Conditions	Unlabeled specimens Specimens that have leaked or containers that have broken in transit Blood collected into EDTA (purple top) or ACD (yellow top tubes) Coagulated blood
Requisition Form	Clinical Test Requisition (select AFB Clinical Specimen)
Required Information	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, town of residence (city, state, zip), date of birth. Specimen source/type, date collected, test(s) requested Please ensure patient name on the requisition matches that on the specimen.
Limitations	 A negative result does not rule out infection with mycobacteria. Non-acid fast organisms present in culture may interfere with isolation and identification of mycobacteria.
Additional information	 A nucleic acid amplification test for the presence of <i>Mycobacterium tuberculosis</i> complex DNA is automatically done on the first patient specimen submitted for AFB smear and culture that is found to be acid fast smear positive (see MTBC NAAT). Anti-tuberculous drug susceptibility testing is performed on the initial <i>M. tuberculosis</i> complex isolate from each patient.
	Cultures are incubated for 6 weeks before being reported as negative.

	AFB Referred Culture (Mycobacteria for ID)
Test description	Identification of mycobacteria to the complex, group, or species.
Test use	To identify mycobacteria isolated in culture.
Test	Mycobacteriology Laboratory
Department	Phone: (860) 920-6649, FAX (860) 920-6721
Methodology	Identification methods: DNA probe, High Performance Liquid
, we thou one by	Chromatography (HPLC), biochemical testing and growth characteristics.
Availability	Isolate identification available 1-7 days from confirmation of acid fast bacilli in
,	culture.
Specimen	Acid fast organism on any solid or in liquid media commonly used for the
Requirements	isolation of mycobacteria species, such as Lowenstein-Jensen (LJ),
•	Middlebrook, and media from automated test systems.
Collection	Follow all applicable federal regulations for packaging of infectious
Kit/Container	substances.
Collection	Submit culture in standard agar or broth media
Instructions	
Specimen	Transport to the laboratory at ambient temperature. Avoid temperature
Handling &	extremes.
Transport	Cultures suspected of containing Mycobacterium tuberculosis should be
	packaged and shipped in accordance with "Category A Infectious Substances"
	guidelines.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Cultures overgrown with or contaminated by non-acid fast bacteria
Requisition	Clinical Test Requisition (select AFB Referred Culture)
Form	Name and address of a least to add a that are as Class
Demined	Name and address of submitter (and/or Horizon profile #)
Required Information	Patient name or identifier, town of residence (city, state, zip), date of birth
information	Specimen type or site of collection, date collected, and test requested
	 Please ensure patient name on the requisition matches that on the specimen. Non-acid fast organisms present in the culture may interfere with
	identification of mycobacteria.
	 DNA probe identification test does not differentiate between members
Limitations	of the tuberculosis complex (<i>M. tuberculosis</i> , <i>M. bovis</i> , <i>M. bovis</i> BCG,
Littitations	M. africanum, M. microti and M. canetti).
	 A small number of biochemically determined <i>M. avium</i> complex
	isolates may not be detected by the DNA probe identification test.
	In some cases, isolates will only be identified to the species level or to the
Additional	"species-complex group" (such as <i>M. avium</i> complex, <i>Simian-Avium</i> (SAV)
comments	group, or <i>M. tuberculosis</i> complex). Isolates can be submitted to collaborating
	laboratories for additional testing, if required. Consult with the
	Mycobacteriology laboratory.
Povision: 9/2E/1E	

	Arbovirus Panel (Encephalitis Viruses)
Test	Detection of virus specific IgM and neutralizing antibodies to arbovirus
Description	infection. The arbovirus(es) suspected must be specified.
Test use	To aid in the diagnosis of current or past infection with arboviruses
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	IgM capture ELISA, IgG ELISA, additional procedures as required
Availability	Specimen is referred to the Centers for Disease Control and Prevention in Fort Collins, CO for testing.
	0.5 mL serum and/or 1 mL cerebral spinal fluid
	NOTE: If specimen collection occurs within 8 days after symptom onset, a
Specimen	convalescent serum specimen will be requested. Acute and convalescent
Requirements	serum specimens, if available, should be sent together. Acute specimens
	should be collected 3-10 days after symptom onset. Collect convalescent
	specimen 2-3 weeks after acute sample.
Collection	To obtain collection kit, refer to Collection Kit Ordering Information
kit/Container	
Collection	Standard venipuncture technique
Instructions	Aseptically obtained spinal fluid
Specimen	Keep serum cold or frozen
Handling &	Transport with an ice pack coolant
Transport	
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit Whole blood
Requisition	Clinical Test Requisition (select Arbovirus Panel (Encephalitis Viruses)). The
Form	arbovirus(es) suspected must be specified.
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen source/type, date collected, test requested
	Date of onset of patient symptoms
	Pertinent travel history (3 months prior to symptom onset)
	Please ensure patient name on the requisition matches that on the specimen.
	 Testing requires approval of Epidemiology and Emerging Infections, (860) 509-7994.
Limitations	If initial serological testing is positive, further confirmatory tests are
	done which may delay reporting of the final results.
Additional	Testing is limited to those patients exhibiting symptoms and/or travel history
Comments	consistent with arbovirus infection.

	BioResponse Testing (specify agent)
Test	Confirmatory identification of clinical isolates presumptively identified as
Description	Bacillus anthracis, Yersinia pestis, Francisella tularensis, Burkholderia sp.,
	Coxiella sp., Brucella sp. or orthopox virus
Test Use	To rule out infection caused by the listed organisms
Test	Bio-Response
Department	Phone: (860) 920-6550 FAX: (860) 920-6721
Methodology	Various to include culture, DFA, PCR
Availability	Daily, Monday-Friday, or by arrangement with the BioResponse Supervisor
Specimen	Pure culture of a clinical isolate submitted on agar slant (preferred) or plate.
Requirements	
Collection	To obtain collection kit, refer Collection Kit Ordering Information.
Kit/Container	
Collection	Varies by agent and specimen type. Prior to specimen submission consult with
Instructions	Bio-Response Supervisor at (860) 920-6550. After hours emergency contact
	number is (860) 716-2705.
Specimen	Store and transport isolates at ambient temperature. Avoid temperature
Handling and	extremes. Follow all applicable federal packaging & shipping regulations.
transport	
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Specimens in viral transport media
Requisition	Clinical Test Requisition (select Bioterrorism Agent Identification. Specify the
Form	suspected organism)
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test(s) requested
	Please ensure patient name on the requisition matches that on the specimen

	Blood Parasite – Smear
Test	Examination of stained blood smears for confirmatory identification of blood
Description	parasites such as Malaria sp., Babesia sp., Trypanosoma sp., and microfilaria
Test use	Confirmation of blood parasite infection in patients with appropriate travel
	history or other suspected exposure.
Test	Microbiology
Department	Phone: (860) 920-6596 FAX: (860) 920-6721
Methodology	Microscopic analysis
Availability	Daily, Monday-Friday
Specimen	Giemsa or Wright's stained blood smears. Both thick and thin stained slides
Requirements	should be submitted.
Collection	Sturdy cardboard or plastic slide holder.
Kit/Container	
Collection	Collect specimen, prepare and stain slides in accordance with established
Instructions	microbiology procedures
Specimen	Store and transport specimen at ambient temperature. Slides must be
Handling &	packaged to prevent crushing or breakage during transport.
Transport	
	Unlabeled specimen
Unacceptable	Slides that have broken during transit
Conditions	Unstained slides
	Whole blood samples
Requisition	Clinical Test Requisition (select Blood Parasite-Smear)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth,
Information	Travel history
	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.

	Bordetella pertussis (DFA, Culture, or Isolate)
Test	Fluorescent microscopy and culture to isolate and identify Bordetella pertussis
description	from upper respiratory tract specimens.
Test Use	To aid in diagnosis of upper respiratory tract infections due to Bordetella
	pertussis.
Test	Microbiology
Department	Phone: (860) 920-6596, FAX (860) 920-6721
Methodology	Direct fluorescent antibody (DFA) and bacterial culture
Availability	Daily, Monday-Friday
Specimen	Nasopharyngeal swab or aspirate inoculated onto Regan Lowe agar slant and
requirements	2 etched glass slides
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Collection instructions are included in the collection kit. For best results,
Instructions	specimen should be collected early in the course of the disease and before the
	characteristic cough occurs.
Specimen	Transport to the laboratory as soon as possible.
Handling &	Store and transport at ambient temperature. Avoid temperature extremes.
Transport	
Unacceptable	Unlabeled specimens
conditions	Specimens that have leaked or containers that have broken in transit
	Specimens submitted on expired media
Requisition	Clinical Test Requisition (select <i>Bordetella pertussis</i>)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or site of collection, date collected, and test requested
	Please ensure patient name on the requisition matches that on the specimen.
Additional	A positive direct FA result may be seen even after the patient has been on
Comments	antibiotic therapy.

	Chemical Preparedness and Response
Test description	Referral of blood and urine specimens to CDC for rapid toxic screen to assess the potential of a chemical exposure event; to provide surge capacity analysis, as needed, of human specimens for metabolites indicative of exposure to chemical agents.
Test Use	To aid in identifying a chemical terrorism event.
Test	Chemical Preparedness
Department	Phone: (860) 920-6716 or (860) 620-6717
Methodology	ICP-MS, GC-MS
Availability	Daily, Monday-Friday
Specimen requirements	 From each patient submit, Whole blood collected by venipuncture into 3 purple top tubes and 1 green or gray top tube
	 Clean catch urine (40-60 mL) in a screw capped collection cup Blank tubes -2 empty and unopened purple top tubes, 2 empty and unopened green or gray top tubes, 2 empty and unopened urine cups
Collection	Collection kit containing tubes, submission form and collection instructions
Kit/Container	are located within the emergency departments in the state's sentinel hospitals
Collection	Standard venipuncture
Instructions	Clean catch urine collection
Specimen Handling & Transport	Transport to the laboratory immediately.
Unacceptable	Unlabeled specimens
conditions	Specimens that have leaked or containers that have broken in transit
	Improperly collected specimens
Requisition	Chemical Response Specimen Submission / Chain of Custody Form
Form	
_	Name and address of sender (hospital)
Required	Patient name, date of birth, sex , hospital ID #
Information	Specimen type or site of collection, date collected
	Please ensure patient name on requisition matches that on the specimens.
Additional	The Chemical Preparedness and Response Laboratory is a partner in CDC's
Comments	Chemical Laboratory Response Network (LRN-C) to develop surge capacity in
Davisian, 9/25/15	response to a chemical exposure public health emergency.

	Chlamydia & Gonorrhea DNA Probe
Test	Qualitative detection of <i>Chlamydia trachomatis</i> DNA and <i>Neisseria</i>
description	gonorrhoeae DNA in clinician collected genital (female endo-cervical and male
	urethral) or urine specimens.
Test use	As an aid to the diagnosis of chlamydial and gonococcal urogenital disease in
Test	symptomatic or asymptomatic individuals. Sexually Transmitted Diseases Molecular Diagnostics
Department	Phone: (860) 920-6696; FAX: (860) 920-6721
Methodology	Nucleic acid (DNA) amplification assay (BD Probe Tec™)
Availability	Daily, Monday - Friday
	Female endocervical swab
Specimen	Male urethral swab
Requirements	Male and female urine specimens
	Specimens must be received in collection devices specific to this assay.
	 BD ProbeTec™ Collection Kit for Endocervical Specimens
Collection	 Male Urethral Specimen Collection Kit for the BD ProbeTec™ Chlamydia
Kit/Container	trachomatis/Neisseria gonorrhoeae (CT/GC) Q ^x Amplified DNA Assay
	 Urine Preservative Transport for the BD ProbeTec™ Q^x Amplified DNA
	Assays
	To obtain collection kits , refer to Collection Kit Ordering Information
Collection	Follow instructions included on collection devices.
instructions	Characteristics and the control of t
Specimen Handling &	Store and transport specimens at ambient temperature. Specimens must be received within 30 days of collection.
Transport	Avoid temperature extremes.
Transport	Unlabeled specimens
	Specimens that have leaked or containers that have broken in transit
Unacceptable	Specimens received beyond 30 days of collection
Conditions	Specimens received after the expiration on the collection device
	Specimens collected in collection devices from other manufacturers (e.g. Gen-
	Probe® Aptima®)
	Incorrect volume of urine in the urine transport tube
Requisition	Clinical Test Requisition (select Chlamydia & Gonorrhea DNA Probe)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen source/type, date collected, and test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	Cannot be used to assess therapeutic success or failure (test of cure) because
Lillitations	nucleic acids from <i>C. trachomatis</i> and <i>N. gonorrhoeae</i> may persist following antimicrobial therapy.
Additional	This test should not be used for the evaluation of suspected sexual abuse or for
comments	other medico-legal indications
	Carter meason regar management

	Cytomegalovirus IgG
Test	Qualitative assay for the detection of IgG antibody to cytomegalovirus (CMV) in
Description	human serum.
Test Use	To determine the CMV immune status of individuals and identify those at risk
	for infection.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	Indirect Enzyme Immunoassay (EIA)
Availability	Routine testing is performed weekly.
Specimen	1 mL serum
Requirements	
Collection	To obtain collection kit, refer to Collection Kit Ordering Information
Kit/Container	
Collection	Standard venipuncture technique
Instructions	
Specimen	Store serum at 2-8° C. Specimens should be received in the laboratory within
Handling &	48 hours of collection.
Transport	Transport with an ice pack coolant (preferable) or at ambient temperature.
	Avoid temperature extremes.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Hemolyzed, lipemic, or icteric serum
	Grossly contaminated serum
	Heat inactivated serum
Requisition	Clinical Test Requisition (select Cytomegalovirus IgG)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, date of collection
Information	Specimen type or source of collection, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Additional	The magnitude of the reported result cannot be correlated to an end point titer
Comments	and is not indicative of the total amount of antibody present.

	Cytomegalovirus IgM
Test	Qualitative assay for the detection of IgM antibody to cytomegalovirus (CMV)
Description	in human serum.
Test use	Determination of recent or current infection with cytomegalovirus as an
	indicator of primary infection, reinfection, or virus reactivation.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	Enzyme-linked Immunosorbent Assay (ELISA)
Availability	Routine testing is performed weekly.
Specimen	1 mL serum
Requirements	
Collection	To obtain collection kit, refer to Collection Kit Ordering Information
Kit/Container	
Collection	Standard venipuncture
Instructions	
Specimen	Store serum at 2-8° C. Specimens should be received within 48 hours of
Handling &	collection.
Transport	Transport with an ice pack coolant (preferable) or at ambient temperature.
	Avoid temperature extremes.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Hemolyzed, lipemic, or icteric serum
	Grossly contaminated serum
	Heat inactivated serum
Requisition	Clinical Test Requisition (select Cytomegalovirus IgM)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested, date of collection
	Please ensure patient name on the requisition matches that on the specimen.
Additional	IgM antibodies usually appear in the first week of infection. They may persist
Comments	for a long duration and also may be detected upon reactivation or re-infection.

	EIP Isolate for Identification
Test	Confirmatory identification of non-enteric bacteria of public health significance. Includes isolates of Group A Streptococcus, Haemophilus influenza, Listeria
description	monocytogenes, Neisseria meningitidis, and Streptococcus pneumoniae
	isolated from normally sterile body sites.
Test use	Referral of bacterial isolates to CDC for serotyping as part of the Emerging
	Infections Program.
Test	Microbiology
department	Phone: (860) 920-6596, FAX: (860) 920-6721
Methodology	Conventional biochemical testing, serotyping
Availability	Daily, Monday - Friday
Specimen	Pure culture on appropriate agar slant (preferred) or plate.
requirements	
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Specimen	Transport to the laboratory at ambient temperature. Avoid temperature
Handling &	extremes.
Transport	Follow all applicable federal packaging and shipping requirements
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
Dogwieitien	Mixed or non-viable cultures
Requisition Form	Clinical test requisition (select EIP Isolate for identification)
FOITH	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
	Panel is limited to the following organisms: Streptococcus pneumoniae,
Limitations	Haemophilus influenza, Listeria monocytogenes, Neisseria meningitidis, and
	Group A <i>Streptococcus</i> isolated from sterile body sites (blood, CSF, tissue, bone
	and other normally sterile body fluids or sites).

	Enteric Isolate or Culture
Test	Confirmatory identification of enteric bacteria of public health significance, to
Description	include Salmonella, Shigella, Campylobacter, Vibrio, and shiga-toxin producing
	Escherichia coli.
Test Use	Identification and serotyping/grouping of enteric bacterial pathogens.
Test	Microbiology
Department	Phone: (860) 920-6596 FAX: (860) 950-6721
Methodology	Bacterial culture onto selective media, biochemical identification, serotyping, EIA
Availability	Daily, Monday - Friday
	 Pure culture of enteric pathogen on agar slant (preferred for shipping)
Specimen	or plate.
Requirements	Culture independent diagnostic test (CIDT) device
	Freshly passed stool specimen collected early in the course of disease
Collection	To obtain collection kit, refer to Collection Kit ordering Information.
Kit/Container	
Collection	Stool specimens from patients with diarrheal illness must be collected as early
Instructions	in the course of the disease as possible. Collect into a clean, dry container.
	Transfer specimen to Cary Blair transport media. Fill to indicated line (15 mL).
Specimen	Transport isolates to the laboratory at ambient temperature. Avoid
Handling &	temperature extremes. Follow all applicable federal packaging and
Transport	shipping regulations.
	Transport stool specimens at 2-8° C.
	Unlabeled specimens
Unacceptable	Specimens that leak or containers that have broken in transit
Conditions	Non-viable isolates
	Stools submitted in expired or dis-colored (yellow) transport media
Damilelti e e	Stool specimens received more than 7 days after collection
Requisition	Clinical test requisition (select Enteric Isolate or Culture. Specify the organism
Form	Suspected) Name and address of submitter (and/or Herizon profile #)
Poguirod	Name and address of submitter (and/or Horizon profile #)
Required Information	Patient name or identifier, town of residence (city, state, zip), date of birth
iiiioiiiiatioii	Specimen type or source, date collected, test requested, identity of the enteric pathogen to be confirmed
	Please ensure patient name on the requisition matches that on the specimen.
	ricase crisure patient name on the requisition matches that on the specimen.

	Hepatitis B Surface Antibody
Test	Qualitative assay for the detection of antibody to Hepatitis B surface antigen
Description	(anti-HBs) in human serum or plasma.
Test Use	To determine past exposure to, or, infection with Hepatitis B virus; to detect the presence of an immune response in Hepatitis B virus vaccine recipients.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	Enzyme immunoassay (EIA)
Availability	Test is performed twice each week
Specimen	1 mL serum (preferred) or plasma derived from heparin, citrate, or EDTA
Requirements	
Collection	To obtain collection kit, refer to Collection Kit ordering Information.
kit/container	
Collection	Standard venipuncture technique
Instructions	
Specimen	Store specimen at 2-8° C°. Specimens should be received by the laboratory
Handling &	within 48 hours of collection.
Transport	Transport with an ice pack coolant (preferred) or at ambient temperature. Avoid temperature extremes.
	Unlabeled specimen
Unacceptable	Specimens that leak or containers that have broken in transit
Conditions	Grossly hemolyzed, lipemic, or heat-inactivated specimens
	Specimens containing particulate matter
Requisition	Clinical Test Requisition (select Hepatitis B Surface Antibody)
Form	· · · · · · · · · · · · · · · · · · ·
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	Assay does not differentiate between vaccine induced immune response and
	an immune response induced by infection with HBV.

	Hepatitis B Surface Antigen
Test	Qualitative assay for the detection of hepatitis B surface antigen (HBsAg) in
Description	human serum or plasma.
Test Use	To detect active Hepatitis B virus infection, either acute or chronic
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Enzyme Immunoassay (EIA)
Availability	Test is performed twice each week
Specimen	1 mL serum (preferred) or plasma derived from heparin, citrate or EDTA
Requirements	
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Standard venipuncture technique
Instructions	
Specimen	Store specimen at 2-8° C. Specimen must be received by the laboratory within
Handling &	7 days of collection.
Transport	Transport with an ice pack coolant (preferred) or at ambient temperature.
	Avoid temperature extremes.
Unacceptable	Unlabeled specimen
Conditions	Specimen that have leaked or containers that have broken in transit
	Specimens received after acceptable holding time
Requisition	Clinical test requisition (select Hepatitis B Surface Antigen)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested, date of collection
	Please ensure patient name on the requisition matches that on the specimen.
	A person with a positive result is presumed to be infected with hepatitis B,
Limitations	except that persons recently vaccinated for hepatitis B may have transient
	activity for up to 18 days.
Additional	Repeatedly reactive results are confirmed with a neutralization assay prior to
Comments	being reported as positive for HBsAg.

	Hepatitis C Testing
Test	Qualitative assay for the detection of antibody to hepatitis C virus (anti-HCV) in
Description	human serum or plasma.
Test Use	As a screening assay to aid in the diagnosis of recent and/or past infection with hepatitis C virus (HCV).
Test	Virology
Department	Phone (860) 920-6662, FAX: (860) 920-6661
Methodology	Enzyme-linked Immunosorbent Assay (ELISA)
Availability	Test is performed twice each week
Specimen	1 mL serum (preferred) or plasma derived from EDTA, lithium heparin, CPD,
Requirements	CP2D, CPDA-1, ACD or 4% citrate anticoagulants
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
kit/container	
Collection	Standard venipuncture technique
Instructions	
Specimen	Store specimen at 2-8° C. Specimen must be received by the laboratory within
Handling &	7 days of collection.
Transport	Transport with an ice pack coolant (preferred) or at ambient temperature.
	Avoid temperature extremes.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Hemolyzed or heat treated specimens
	Specimens received more than 7 days after collection
Requisition	Clinical Test Requisition (select Hepatitis C Testing)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
1::	The presence of anti-HCV does not constitute a diagnosis of hepatitis C disease
Limitations	and may be indicative of recent and/or past HCV infection.
	A nonreactive test result does not exclude the possibility of exposure to HCV.
Additional	Levels of anti-HCV may be undetectable in early infection.
Additional	Nucleic acid amplification testing for Hepatitis C RNA is recommended for
Comments	patients with repeatedly reactive HCV antibody test results. A separate
	specimen is required for this test. Contact the Virology laboratory (860-920-6662) for specimen submission requirements or see Hepatitis C PCR.
Povision: 9/25/1	

	Hepatitis C PCR
Test	Qualitative nucleic acid amplification assay for Hepatitis C viral nucleic acid
Description	(RNA) in human serum or plasma.
Test Use	To aid in the diagnosis of hepatitis C infection following a repeatedly reactive HCV antibody ELISA screening test result.
Test	Virology
Department	Phone (860) 920-6662, FAX: (860) 920-6661
Methodology	Nucleic acid amplification test (NAAT)
Availability	Test is performed on request.
Specimen	1.5 mL serum (preferred) or plasma derived from sodium heparin, sodium
Requirements	citrate, K₂EDTA, or ACD anticoagulants
Collection	Category B shipping box with cold pack
kit/container	To obtain collection kit, refer to Collection Kit Ordering Information.
Collection	Standard venipuncture technique
Instructions	Requires prior notification to the Virology laboratory
Specimen	Store specimen at 2-8° C. Specimen must be received by the laboratory within
Handling &	48 hours of collection.
Transport	Transport with an ice pack coolant.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Hemolyzed or heat treated specimens
	Specimens received more than 48 hours after collection
Requisition	Clinical Test Requisition (in the Test, Agent, or Disease Not Listed (specify) :
Form	box, write Hepatitis C PCR)
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
	Although RNA representing all recognized hepatitis C viral genotypes (1-
Limitations	6) can be detected with this assay, sensitivity and other performance
	characteristics have not been determined for all HCV genotypes.
	Due to specimen stability limitations, testing cannot be reflexed from
A al al : #: I	the specimen used for Hepatitis C ELISA. Re-collection is required.
Additional	Contact the Virology Laboratory prior to specimen submission. Patenting of the patitive Contact PNA in a file page of action MCV in faction to the page of a string MCV
Comments	Detection of hepatitis C viral RNA is evidence of active HCV infection but decorate differentiate between and absorbed at the exit of infection.
	does not differentiate between acute and chronic states of infection.

	Herpes simplex IgG Antibody
Test Description	Qualitative assay for the detection of IgG antibodies to herpes simplex virus (HSV), type 1 and type 2 in human serum. This test does not differentiate between type 1 or type 2.
Test Use	As an indication of past infection with herpes simplex virus.
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Enzyme immunoassay (EIA)
Availability	Test is performed weekly.
Specimen	1 mL serum
Requirements	
Collection	To request collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Standard venipuncture technique
Instructions	
Specimen	Store serum at 2-8° C.
Handling &	Transport with an ice pack coolant (preferable) or at ambient temperature.
Transport	Avoid temperature extremes.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Lipemic, hemolyzed, icteric or grossly contaminated sera
Requisition	Clinical test requisition (select Herpes Simplex IgG)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth
Information	Specimen type or source of collection, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	This test is not intended to diagnose current HSV infection or re-activation.
Additional	A positive result indicates previous immunological exposure to HSV. IgG
Comments	antibodies usually appear 1 to 2 weeks after onset of infection and persist at
	various levels for life.

	Herpes simplex virus PCR
Test	Qualitative assay for the detection of Herpes simplex virus 1 and 2 DNA in
Description	human specimens.
Test Use	To aid in the diagnosis of infection with herpes simplex virus
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Real-time PCR
Availability	Daily, Monday-Friday
	Genital or skin lesion swab submitted in viral transport media. Use only
Specimen	polyester or Dacron-tipped swabs with plastic or aluminum shafts. Do NOT use
Requirements	calcium alginate or cotton-tipped swabs, or wood shafted swabs.
	Fluid specimens (such as CSF) requires 2 mL in an empty sterile screw capped
	container
Collection	To request collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Vigorously swab base of lesion with swab and place in viral transport media.
Instructions	
Specimen	Store specimen at 2-8° C.
Handling &	Transport with an ice pack coolant. Specimens should be received within 48
Transport	hours of collection.
Unacceptable	Unlabeled specimen
Conditions	Specimen that have leaked or containers that have broken in transit
	Specimens received more than 48 hours after collection
Requisition	Clinical test requisition (select Herpes simplex PCR)
Form	
	Name and address of submitter (and/or Horizon profile number)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen source/type, date collected, and test requested
	Please ensure patient name on requisition matches that on the specimen.
Limitations	A negative result does not rule out infection with herpes simplex virus.
Additional	This test has not been cleared or approved by the FDA. It was developed and its
Comments	performance characteristics have been validated by the CT DPH Laboratory.

	HIV-1 / HIV-2 Testing
Test	Qualitative assay for the detection of HIV-1 and HIV-2 antibodies and
Description	HIV-1 p24 antigen in human serum or plasma
Test Use	Screening assay to aid in the diagnosis of infection with HIV-1 and/or HIV-2
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Enzyme immunoassay (EIA) and HIV antibody differentiation assay
Availability	Daily, Monday-Friday
Specimen	1 mL serum
Requirements	1 mL plasma (acceptable anticoagulants include EDTA, sodium and lithium heparin, sodium citrate, CPD, CPDA-1 and ACD)
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	TO Obtain confection kit, refer to confection kit ordering information.
Collection	Standard venipuncture
Instructions	Standard Verilpuncture
Specimen	Store specimen at 2-8° C. Specimens must be received within 7 days of
Handling &	collection.
Transport	Transport with an ice pack coolant (preferred) or at ambient temperature.
Transport	Avoid temperature extremes.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
Conditions	Specimens received more than 7 days after collection
Requisition	Clinical test requisition (select HIV-1 / HIV-2 Testing)
Form	connect test requisition (select the 17 the 2 resting)
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on requisition matches that on the specimen.
	 A negative test result does not preclude the possibility of exposure to or infection with HIV-1 and/or HIV-2. The performance of this assay has not been established for children less
Limitations	than 2 years of age since maternal IgG frequently persists for as long as
	18 months after birth. Supplemental assays designed for neonatal
	specimens may be helpful in resolving such cases, including HIV nucleic
	acid tests or viral culture.
	Confirmatory testing is performed on repeatedly reactive specimens
	using an HIV antibody differentiation assay.
Additional	Specimens found to be positive by the submitter will be tested in
Comments	triplicate using the HIV-1 / HIV-2 Combo Antigen / Antibody assay.
	Confirmatory testing will only be performed on specimens found to be
	repeatedly reactive.

	HIV PCR
Test	Qualitative nucleic acid assay for the detection of HIV-1 RNA in human blood.
Description	
	As an aid in the diagnosis of infection with HIV-1 when the HIV combination EIA
Test Use	is reactive and the HIV antibody differentiation assay is negative or
	indeterminate.
Test	Virology (acc) and access the (acc) and access
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Nucleic acid amplification test (NAAT)
Availability	Specimens referred to Florida State Public Health Laboratory
	1 mL plasma (preferred) or serum.
Specimen	Acceptable anticoagulants include K ₂ EDTA, K ₃ EDTA, ACD, or sodium citrate.
Requirements	Specimens must be repeatedly reactive using a 3 rd or 4 th generation
	HIV-1/HIV-2 immune assay and nonreactive or indeterminate using a
	supplemental assay.
6 11 11	Notify Virology Laboratory prior to specimen submission.
Collection	Category B shipping box
Kit/Container	To obtain collection kit, refer to Collection Kit Ordering Information.
Collection	Standard venipuncture
Instructions	
Specimen	Store specimen at 2-8° C. Specimens must be received within 72 hours of
Handling &	collection.
Transport	Transport with an ice pack coolant.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Specimens received after acceptable holding time
Requisition	Clinical test requisition (in the Test, Agent, or Disease Not Listed (specify): box,
Form	write HIV PCR)
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	Specimens are referred to the Florida Department of Public Health, Bureau of
	Laboratories for testing.
Additional	Contact the Virology Laboratory prior to specimen submission.
Comments	

HIV STARHS Referral (Serologic Testing Algorithm for Recent HIV Seroconversion)

Test	Referral of confirmed HIV positive serum, as required, for epidemiological
Description	characterization.
	To differentiate recent (i.e. incidence) from longstanding HIV infection for
Test Use	epidemiological surveillance purposes. Selected sera are referred to the
	Wadsworth Center Retroviral Immunology Diagnostic HIV Testing Laboratory
	for testing.
Test	Virology
Department	Phone: (860) 920-6662 FAX: (860) 920-6661
Methodology	BED HIV-1 Capture EIA
Availability	Specimens are forwarded to the Wadsworth Center laboratory after case
	evaluation.
Specimen	>0.5 mL residual serum
Requirements	
Collection	Residual serum submitted in standard serum separator collection tubes or
Kit/Container	aliquot tubes
Collection	Standard venipuncture technique
Instructions	
Specimen	
Handling &	Store and transport specimen at 2-8° C.
Transport	
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
Requisition	Clinical test requisition (select HIV STARHS)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested, date of collection
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	The laboratory test report will only acknowledge receipt of the specimen. A
	test result is not produced.
Additional	Referred sera should be confirmed by the submitter as HIV antibody positive by
Comments	an approved method.
D 0/05/4	

	Influenza PCR
	Qualitative assay for the detection of influenza virus nucleic acid (RNA). Includes:
	Influenza A/H1
Test	Influenza A 2009/H1
Description	Influenza A/ H3
	Influenza A/H3v
	Influenza A/ H5
	Influenza A/H7
	Influenza B
Test Use	To aid in diagnosis of influenza infection in symptomatic individuals
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	Real-time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR)
Availability	Daily, Monday-Friday
	 Nasopharyngeal or oropharygeal swab submitted in viral transport media.
Specimen	 Respiratory specimens such as broncheoalveolar lavage, tracheal aspirates,
Requirements	sputum, nasopharyngeal or oropharyngeal aspirates or washes. Submit at least
	2 mL liquid specimen in a sterile screw capped container.
	Cell culture that is confirmed to contain influenza virus.
Collection	Category B shipping box with cold pack
Kit/Container	To obtain collection kit, refer to Collection Kit Ordering Information.
Collection	Collect specimens within 3 days of symptom onset. Use only polyester or Dacron-
Instructions	tipped swabs with plastic or aluminum shafts. Do NOT use calcium alginate or cotton-
	tipped, or wood shafted swabs. Immediately place swabs into viral transport media.
Specimen	Store specimen at 2-8° C.
Handling &	Specimens should be received within 4 days of collection.
Transport	Transport with an ice pack coolant.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Improperly collected specimens
	Specimens submitted at improper temperature
Requisition	Clinical Test Requisition (select Influenza PCR)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen source/type, date collected, and test requested
Povision: 9/2E/1	Please ensure patient name on the requisition matches that on the specimen.

Lead Confirmation	
Test description	Evaluation and/or confirmation of whole blood for elevated lead levels.
description	To evaluate potential lead poisoning and occupational lead exposure. A
Test use	venous specimen is required for diagnostic and medical management purposes.
Test	Chemistry
Department	Phone: (860) 920-6635, FAX: (860) 920-6718
Methodology	Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)
Availability	Testing is performed once each week
Specimen	Whole blood collected by standard venipuncture into tubes containing EDTA
Requirements	or heparin anticoagulant. Tubes should be filled enough to provide adequate
	mixing of blood with anticoagulant.
Collection	To obtain collection kit, refer to Collection Kit Ordering Information
Kit/Container	
Collection	Standard venipuncture.
Instructions	
Specimen	Store specimen at 2-8°C.
Handling &	Transport at ambient temperatures. Avoid temperature extremes.
Transport	
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit.
Requisition	Clinical Test Requisition (select Lead Confirmation)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth,
Information	race/ethnicity
	Specimen type or source of collection, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.

Lead Screen (Child)	
Test	Evaluation of whole blood for elevated lead levels
description	
Test use	To identify potential lead poisoning in children
Test	Chemistry
Department	Phone: (860) 920-6635 FAX: (860) 920-6718
Methodology	Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)
Availability	Testing is performed once each week
Specimen	250 μl (0.25 mL) of whole blood collected by fingerstick and submitted in
Requirements	capillary collection tube containing EDTA or heparin anticoagulant.
Collection	To obtain collection tubes, refer to Collection Kit Ordering Information.
Kit/container	
Collection	Fingerstick blood collection technique.
Instructions	Use aseptic technique throughout the collection process in order to prevent
	contamination of the specimen with environmental lead.
Specimen	Store at 2-8°C.
Handling &	Transport at ambient temperature. Avoid temperature extremes.
Transport	
	Unlabeled specimens
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Specimens that are clotted
	Specimens of insufficient quantity
Requisition	Clinical Test Requisition (select Child Lead Screen)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth,
Information	race/ethnicity.
	Specimen type or source of collection, date collected, test requested.
	Please ensure patient name on the requisition matches that on the specimen.
	Because of the potential for contamination of capillary samples with
Limitations	environmental lead, elevated levels must be confirmed with a venous
	specimen.
Additional	Test availability is restricted to those Connecticut patients with no health
comments	coverage.

Measles PCR	
Test	Molecular assay for the detection of measles virus RNA in throat and
Description	nasopharyngeal specimens
Test Use	Test of choice for detection of measles infection
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Real-time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR)
Availability	Test is referred to the Centers for Disease Control and Prevention for testing.
	Combined throat/nasopharyngeal swabs in virus transport media (VTM). Place
Specimen	both swabs into the same VTM tube.
Requirements	Use only polyester or Dacron-tipped swabs with plastic or aluminum shafts. Do
	NOT use calcium alginate or cotton tipped swabs, or wood shafts.
Collection	Category B shipping box with cold pack
Kit/Container	To request collection kit, refer to Collection Kit Ordering Information.
Collection	Standard aseptic specimen collection procedures should be followed.
Instructions	Refrigerate VTM immediately after collection.
Specimen	Store specimen at 2-8° C.
Handling &	Transport with an ice pack coolant.
Transport	Specimens must be received within 48 hours of collection.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Specimens that have been improperly collected or stored
Requisition	Clinical test requisition (select Measles PCR)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth
Information	Specimen type or source of collection, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
	Testing requires prior approval of Epidemiology and Emerging Infections, (860)
Limitations	509-7994.
	A negative test does not rule out infection with measles virus.
Additional	Specimen is referred to the Centers for Disease Control and Prevention in
Comments	Atlanta, GA for testing.

Revision: 7/6/15

Middle	East Respiratory Syndrome Coronovirus (MERS-CoV) PCR
Test	Qualitative assay for the detection of Middle East Respiratory Syndrome Coronavirus
Description	(MERS-CoV) nucleic acid in clinical specimens
Test Use	To aid in the diagnosis of Middle East Respiratory Syndrome in symptomatic persons.
Test	Virology
Department	Phone: (860) 920-6662 FAX: (860) 920-6661
Methodology	Real-time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR)
Availability	Daily, Monday-Friday
Specimen	 Lower respiratory specimens (preferred), such as broncheo-aveolar lavage,
Requirements	tracheal aspirate, pleural fluid, or sputum.
	Nasopharyngeal and oropharyngeal swabs or washes
	• Stool
	Serum
Collection	Category B shipping box with cold pack
Kit/Container	To obtain collection kit, refer to Collection Kit Ordering Information.
	 Collect lower respiratory specimens within 7 days of symptom onset and before antiviral medications are used. Submit 2-3 mL in a sterile screw capped container.
Collection	Nasopharyngeal/oropharyngeal swabs submitted in viral transport media. Use
Instructions	only synthetic fiber swabs with plastic shafts. Do not use calcium alginate
	swabs or swabs with wooden shafts.
	Nasopharyngeal or nasal aspirates / washes: collect 2-3 mL into a sterile screw
	capped collection container.
	 Collect 2-5 grams stool into a sterile screw capped container.
	Collect serum by standard venipuncture at any time during or after illness
Specimen	Store specimen at 2-8° C.
Handling &	Transport with an ice pack coolant.
Transport	Specimens must be received within 3 days of collection.
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
	Improperly collected or transported specimens
Requisition	Clinical test requisition (in the select Test, Agent or Disease Not Listed (Specify): box,
Form	write MERS-CoV)
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested
	Please ensure patient name on requisition matches that on the specimen.
Limitations	Testing requires prior approval of Epidemiology and Emerging Infections, (860) 509-7994.
	Testing is limited to those patients symptomatic of respiratory infection and who have
Additional	traveled from the Arabian peninsula or neighboring countries 14 days before illness
Comments	onset. Asymptomatic patients who have had contact with an infected person may have
	serologic testing referred to the Centers for Disease Control and Prevention. Serologic
	results are for research/surveillance purposes only and are not to be used for diagnosis
Povision, 9/25/1	of illness.

Mumps PCR	
Test	Molecular assay for the detection of mumps virus nucleic acid in human buccal
Description	specimens.
Test Use	Test of choice for diagnosis of acute mumps virus infection.
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Reverse Transcriptase Polymerase Chain Reaction (RT-PCR)
Availability	Referred to the Centers for Disease Control and Prevention for testing.
-	Parotid gland/buccal (the space between the cheek and teeth) swab submitted
Specimen	in viral transport media.
Requirements	Use only polyester or Dacron-tipped swabs with plastic or aluminum shafts. Do
	NOT use calcium alginate or cotton tipped, or wood shafted swabs.
Collection	Category B shipping box with cold pack
Kit/Container	To obtain collection kit, refer to Collection Kit Ordering Information.
Collection	Massage the parotid gland for 30 seconds prior to swabbing area around
Instructions	Stenson's duct.
	Immediately place swab into viral transport media.
Specimen	Store specimen at 2-8° C.
Handling &	Transport with an ice pack coolant.
Transport	Specimens must be received within 48 hours of collection.
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
	Specimens improperly collected or transported
Requisition	Clinical Test Requisition (select Mumps PCR)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested, date of collection, date
	of onset
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	A negative result does not rule out infection with mumps virus.
Additional	Specimen is referred to the Centers for Disease Control and Prevention in
Comments	Atlanta, GA for testing.

Mycobacterium tuberculosis complex drug susceptibility	
Test Description	Drug susceptibility testing of <i>Mycobacterium tuberculosis</i> complex isolates to the antituberculous drugs streptomycin, isoniazid, rifampin, ethambutol, and pyrazinamide; referral of isolates to the Centers for Disease Control and Prevention (CDC), if indicated, for additional drug testing.
Test Use	To inform effective drug therapy decisions in patients diagnosed with tuberculosis
Test	Mycobacteriology Laboratory
Department	Phone: (860) 920-6649 FAX: (860) 920-6721
Methodology	BACTEC™ MGIT™ 960 DST
Availability	Daily, Monday-Friday. Results available 14-21 days from identification of <i>M. tuberculosis</i> complex in culture.
Specimen Requirements	Pure culture isolate of <i>M. tuberculosis</i> complex on solid, or in liquid media commonly used for the isolation of mycobacteria, such as Lowenstein-Jensen (LJ), Middlebrook, or media from automated test systems.
Collection Kit/Container	Follow applicable federal regulations for packaging of infectious substances.
Specimen	Transport cultures to the laboratory at ambient temperature. Avoid temperature
Handling &	extremes. Cultures suspected to contain <i>M. tuberculosis</i> must be packaged and shipped
Transport	in accordance with "Category A Infectious Substances" guidelines.
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
	Cultures mixed with non-tuberculous mycobacteria or non-acid fast bacteria
Requisition Form	Clinical test requisition (select AFB Referred Culture). Drug susceptibility testing is automatically performed on all initial patient isolates of <i>M. tuberculosis</i> complex. Pre-approval from the Mycobacteriology Laboratory or the TB Control Program (860-509-7722) is required for drug susceptibility testing on subsequent isolates.
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested
	Please ensure patient name on requisition matches that on the specimen.
	Susceptibility testing of non-tuberculous mycobacteria is not done.
Limitations	Drug susceptibility tests cannot be done on cultures mixed with non-tuberculous
	mycobacteria or other bacteria.
Additional	 Drug resistant isolates of M. tuberculosis complex (MTBC) are sent to CDC for confirmation of resistance by the Indirect Agar Proportion Method. The specific first and second-line drug panels are determined by the initial BACTEC™ MGIT™ 960 results. This testing requires a minimum of 21 days from initiation
Comments	 of testing by CDC. MTBC isolates resistant to at least rifampin and isoniazid are automatically forwarded to CDC for Molecular Detection of Drug Resistance (MDDR) testing. This test is also available upon request. The suitability for such testing must be determined by consultation with the Mycobacteriology Laboratory or the TB Control Program (860 509-7722)

Mycobacterium tuberculosis complex nucleic acid amplification test (MTBC NAAT)

Test	Nucleic acid assay for the direct detection of Mycobacteria tuberculosis complex DNA
Description	in pulmonary specimens. Also, to detect mutation of the rpoB gene as an indicator of
	rifampin resistance.
Test Use	To aid in the rapid identification of primary tuberculosis disease and rifampin resistance
	in patients that are acid fast smear positive.
Test	Mycobacteriology Laboratory
Department	Phone: (860) 920-6649 FAX: (860) 920-6721
Methodology	Semi-quantitative nested real-time polymerase chain reaction
Availability	Daily, Monday-Friday
Specimen	A minimum of 3 mL (5-10 mL preferred) raw, unprocessed sputum, bronchial lavage, or
Requirements	bronchial washings from patients who have never received anti-tuberculous therapy,
	received < 7 days of therapy at the time of specimen collection, or no therapy within
	the last year.
Collection	To obtain collection kit, refer to Collection Kit Ordering Information
Kit/Container	
Collection	Collect specimen into sterile container
Instructions	
Specimen	Store specimen at 2-8° C. Transport to the laboratory as soon as possible with an ice
Handling &	pack coolant (preferred) or at ambient temperature. Avoid temperature extremes.
Transport	Specimens must be received within 10 days of collection.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Extra-pulmonary specimens
Dogwieltien	Processed pulmonary specimens Clinical text requisition (select AFR Clinical Specimen)
Requisition Form	Clinical test requisition (select AFB Clinical Specimen) Nucleic Acid Amplification Test Requisition may be found at the Dr. Katherine A. Kelley
FOITH	State Public Health Laboratory webpage located at,
	www.ct.gov/dph/cwp/view.asp?a=3122&q=396860
	Name and address of submitter (and/or Horizon profile #).
Required	Patient name or identifier, date of birth, town of residence (city, state, zip).
Information	Specimen type or source of collection, test requested.
	Please ensure patient name on requisition matches that on the specimen.
	A positive test result does not indicate the presence of viable organisms.
	A positive result is presumptive evidence for the presence of <i>Mycobacterium</i>
Limitations	tuberculosis complex and/or rifampin resistance.
	This test should NOT be ordered when clinical suspicion is low, to determine
	bacteriologic cure, or to monitor response to anti-tuberculosis drug therapy.
	Acid fast microscopy and culture for the isolation / identification of acid-fast
Additional	bacteria is also performed on all samples submitted for MTBC NAAT.
Comments	This test is automatically done on the first patient specimen submitted for AFB
	smear and culture that is found to be acid fast smear positive. Testing of AFB
	smear negative specimens is only performed upon request.
Revision: 8/25/1	

Neisseria gonorrhoeae Culture	
Test	Isolation and identification of Neisseria gonorrhoeae from non-genital body
Description	sites.
Test Use	Detection of <i>Neisseria gonorrhoeae</i> from specimen sites (such as pharyngeal
	and anal) that are unacceptable for use with nucleic acid amplification tests.
Test	Microbiology Laboratory
Department	Phone: (860) 920-6596 FAX: (860) 920-6721
Methodology	Bacterial culture; biochemical identification
Availability	Daily, Monday-Friday
Specimen	Specimens must be inoculated onto commercially available media with CO ₂
Requirements	generating tablets, such as the JEMBEC™ system.
Collection	Inoculated JEMBEC™ or other similar system
Kit/Container	
Collection Instructions	Warm JEMBEC™ plate to room temperature. Use sterile swab to collect sample from the pharynx or anal crypts. Roll swab over surface of the media, then gently streak surface of JEMBEC™ with the swab. Label with patient ID. Place JEMBEC™ into plastic bag and seal completely (this is required to ensure proper atmosphere and humidity during transport).
Specimen	Store inoculated JEMBEC™ in incubator at 35-37° C.
Handling &	Transport at ambient temperature. Avoid temperature extremes.
Transport	Transport at ambient temperature. Avoid temperature extremes.
-	Unlabeled specimens
Unacceptable	Specimens that has broken in transit
Conditions	Specimens that have been refrigerated or frozen after inoculation
	Specimens received on expired media
	Specimens received more than 5 days after collection/inoculation
	Specimens received on swabs.
Requisition	Clinical test requisition (select Neisseria gonorrhoeae Culture)
Form	
Required	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested Please ensure patient name on requisition matches that on the specimen.
	Thease chaire patient name on requisition matches that on the specimen.

	Newborn Screening Panel
Test	Screening of newborn infants for analytes suggestive of inherited metabolic diseases
Description	and other congenital conditions.
Test Use	To ensure early recognition and timely intervention of inherited congenital disorders and thereby prevent adverse health outcomes
Test	Newborn Screening
Department	Phone: (860) 920-6706 FAX: (860) 920-6633
Methodology	Various, to include tandem mass spectrometry, high performance liquid
	chromatography, polymerase chain reaction, time-resolved fluoro-immunoassay
Availability	Daily, Monday-Friday
Specimen	Whole blood spotted onto a specialized filter paper collection card
Requirements	
Collection	Newborn screening filter paper collection card.
Kit/Container	To obtain collection cards, refer to Collection Kit Ordering Information.
Collection	Puncture heel and allow a large drop of blood to form. Touch filter paper to blood drop. Allow to soak through and completely fill circle. Apply blood to one side of filter
Instructions	paper only. Fill all 4 preprinted circles. Do not layer successive drops of blood or apply
mstructions	blood more than once in the same collection circle.
Specimen	Allow card to air dry horizontally for at least 3 hours at room temperature. Avoid
Handling &	touching or smearing blood spots. Place collection card into envelope. Deliver as soon
Transport	as possible after drying (but no later than 48 hours after collection) at ambient
	temperature. Avoid heat, direct sunlight, humidity, and moisture during shipping.
	Unlabeled or mislabeled collection card
Unacceptable	Expired collection card
Conditions	Improperly collected specimen
	Insufficient quantity
	Patient and specimen collection information is electronically entered into MAVEN by
	the birth center. A bar code label containing an 8 digit identification number, unique to
Requisition	each baby, is generated and must be affixed to the specimen.
Form	Subsequent specimens must include the identification number, mother's name, infant's
	name and sex, date of birth, hospital medical record number, and date of specimen
	collection.
Required	Baby's last name and sex, date and time of birth, birth weight, hospital medical record
Information	number, date of collection, mother's name, name and address of primary care provider
	Newborn screening is not diagnostic. Patients identified with abnormal findings must
limaia ati a ma	undergo further testing and clinical evaluation.
Limitations	Specimens collected from infants less than 24 hours of age, from ill or low birth weight
	babies, or after a blood transfusion may produce false negative or positive results and
A d d;&; l	must be recollected.
Additional	Reference ranges for all analytes may be viewed at:
Comments	www.ct.gov/dph/NBStestresultlevels

	Norovirus PCR
Test	Detection of norovirus, genotypes I and II, RNA in stool specimens
Description	
Test Use	To aid in the investigation of outbreaks of gastrointestinal illness caused by norovirus
Test	Microbiology
Department	Phone: (860) 920-6596 FAX: (860) 920-6721
Methodology	Real-time Reverse Transcriptase Polymerase Chain reaction (rRT-PCR)
Availability	Not orderable as a routine test. Requires pre-approval of Epidemiology and
,	Emerging Infections (860 509-7994)
Specimen	2-4 grams (about the size of a navy bean) of whole stool.
Requirements	
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Collect stool specimen within 72 hours of symptom onset while stool is still
Instructions	liquid or semi-solid. Place into an empty sterile screw capped container or into
	Cary Blair transport media.
Specimen	
Handling &	Store specimen at 2-8° C. Transport with an ice pack coolant.
Transport	
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Rectal swabs
Requisition	Clinical Test Requisition (select Norovirus PCR)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Additional	All test requests require pre-approval by Epidemiology and Emerging Infections
Comments	(860-509-7994).

Parasite (Fecal) – Gross Identification	
Test	Confirmatory examination of suspected parasitic worms of humans.
Description	
Test Use	For the confirmation and identification of parasitic worm infections of humans.
Test	Microbiology
Department	Phone: (860) 920-6596 FAX: (860) 920-6721
Methodology	Macroscopic and microscopic examination
Availability	Daily, Monday-Friday
Specimen	Recovered worm in 10% formalin or its equivalent
Requirements	
Collection	Sterile urine cup or its equivalent, sealed to prevent leakage during shipment.
Kit/Container	
Specimen	Store and transport at ambient temperature.
Handling &	
Transport	
	Unlabeled specimen
Unacceptable	Specimens that have broken or containers that have leaked in transit
Conditions	Worms isolated from animals or the environment
	Worms not preserved after collection
	Arthropods (insects) are inappropriate for this assay and will not be accepted.
Requisition	Clinical Test Requisition (select Parasite (Fecal)-Gross Identification)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
	Many helminths can only be detected by observation of ova or larvae in
Limitations	concentrated stool samples. This test is not a replacement for a routine ova
	and parasite examination.

	QuantiFeron®-TB Test (QFT)
Test description	Qualitative assay for the detection of interferon-γ (IFY-γ) in human blood.
Test use	To identify in vitro responses associated with latent Mycobacterium tuberculosis infection.
Test department	Virology Phone: (860) 920- 6662, FAX: (860) 920- 6661
Methodology Availability	Enzyme-Linked Immunosorbent Assay (ELISA) Test is performed Monday – Thursday, as needed.
Specimen Requirements	Whole blood collected into 3 specialized blood collection tubes
Collection Kit/Container	Nil control tube, TB antigen tube, Mitogen tube To obtain collection tubes, refer to Collection Kit Ordering Information.
Collection Instructions	Routine venipuncture. Mix tubes by vigorous shaking after collection (ensure the entire inner surface of the tube has been coated with the blood).
Specimen Handling &	Maintain tubes at room temperature (17-27° C). Deliver to laboratory immediately. Specimen must be received within 16 hours after collection. Do
Transport Unacceptable	not refrigerate or freeze blood. Do not centrifuge the specimen. Unlabeled specimen
Conditions	Specimens that have leaked or containers that have brokenin transit. Improperly collected specimens Specimens received more than 16 hours after collection.
Requisition Form	Clinical Test Requisition (select QuantiFeron-TB Test) QuantiFERON® TB Gold In-Tube Collection and Testing Instructions
Required Information	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, town of residence (city, state, zip), date of birth Specimen type or source of collection, date collected, time collected, test requested Please ensure patient name on requisition matches that on the specimens.
Limitations	 A negative test result does not preclude the possibility of <i>M. tuberculosis</i> infection. Infections by other mycobacteria (<i>M. kansasii, M. szulgai, M. marinum</i>) may cause false positive results. Medical treatments or conditions that impair immune functionality can potentially reduce IFN-γ responses. Additional medical and diagnostic evaluations are required to confirm active disease.
Additional Comments	Studies have demonstrated that the peptide antigens used in the QFT stimulate IFN-y responses in T-cells from individuals infected with <i>M. tuberculosis</i> but generally not from BCG vaccinated persons without disease or risk for latent infection.

	Rabies Antigen, Non-Human
Test description	Necropsy of animal brain to prepare slides for detection of rabies virus.
Test use	To determine the presence or absence of rabies virus in an animal that has bitten or otherwise exposed a person or domestic animal to saliva, nervous tissue or cerebral
	spinal fluid.
Test	Virology
department	Phone: (860) 920- 6662, FAX: (860) 920- 6661
Methodology	Fluorescent antibody microscopic examination
Availability	Daily, Monday-Friday. Off hours testing involving high risk exposure requires pre-approval by Epidemiology and Emerging Infections (860-509-7994).
	Raccoon, skunk, wild carnivore, or groundhog that has bitten a person or domestic animal.
Specimen	Bat that has had direct contact with or been found in a room with a person.
Requirements	 Domestic animals weighing less than 10 pounds.
	Animal head or brain of domestic animals weighing more than 10 pounds.
	Refer to Instructions for Submitting Specimens for Rabies Testing on the reverse side
	of the Request for Rabies Examination form.
Collection	Specimens must be packaged in a rigid walled container such that no leakage or
Kit/Container	puncture will occur during transit.
Collection	Animals head must be fresh and not mutilated or crushed.
Instructions	Specimens should be refrigerated
Specimen Handling &	Specimens should be refrigerated. Deliver to laboratory as soon as possible.
Transport	Specimens must be packaged in accordance with state and federal regulations
Transport	ensuring that no puncture, breakage of leaking occurs during transit.
	Live animals are not accepted
Unacceptable Conditions	Specimens with skull or brain crushed, mutilated, decomposed or exposed to excess heat
	Livestock
Requisition	Request for Rabies Examination requisition may be found at the Dr. Katherine A. Kelley State Public Health Laboratory webpage located at,
Form	www.ct.gov/dph/cwp/view.asp?a=3122&q=396860
Form	Place completed (print clearly) requisition in an envelope and attach to the outside of
	each specimen container being submitted for testing.
Required	Name, address, and phone number of submitter (and/or Horizon profile #)
Information	Name and address of owner
	Exposure information
	The following animals will NOT be tested without consultation with DPH:
	 Animals that have not bitten a person or domestic animal.
Limitations	Small rodents (mice, rat, chipmunk, mole, rabbit) that have bitten a person or
	domestic animal.
	Bats found in a home but not in a room where a person was present.
	Questions concerning human exposure, prophylaxis and submission of
Additional	animals uncommon to rabies infection may be made to Epidemiology and
comments	Emerging Infections at (860) 509-7994.
	All positive results are telephoned to the submitter.

	Respiratory Virus Antigen Panel
Test Description	Qualitative assay to detect respiratory virus nucleic acids. Includes: Influenza A (subtypes H1 and H3) Influenza B Respiratory syncytial virus (subtypes A and B) Parainfluenza 1 Parainfluenza 2 Parainfluenza 3 Human metapneumovirus Rhinovirus/Enterovirus Adenovirus
Test Use	To aid in the diagnosis of disease in individuals exhibiting symptoms of upper or lower respiratory tract infection.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology Availability	Multiplex Reverse Transcriptase Polymerase Chain reaction (RT-PCR) Daily, Monday-Friday
Specimen	Nasopharyngeal swab submitted in viral transport media.
Requirements	Nasal aspirate, 2 mL, in a sterile screw capped container.
	Broncheoalveolar lavage (BAL), 2 mL, in a sterile screw capped container
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Collect sample within 3 days of symptom onset. Use only polyester or Dacron-tipped
Instructions	swabs with plastic or aluminum shafts. Do NOT use calcium alginate or cotton-tipped
	swabs, or wood shafted swabs. Immediately place swabs into viral transport media
Specimen	Store specimen at 2-8° C.
Handling &	Transport with an ice pack coolant.
Transport	Specimens must be received within 7 days after collection.
Unacceptable Conditions	Unlabeled specimen Specimens that have leaked or containers that have broken in transit
Conditions	Improperly collected samples
Requisition Form	Clinical Test Requisition (select Respiratory Virus Antigen Panel)
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source of collection, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	 This assay has limited detection of Adenovirus species C and serotypes 7a and 41. An alternate method (such as cell culture) may be needed if adenovirus infection is suspected and a negative result is obtained with this method. Primers for the detection of rhinovirus cross-react with enterovirus. A rhinovirus reactive result should be confirmed with an alternate method, such
	as immunofluorescence or virus culture.

Shiga-toxin (+) Broth Culture	
Test	Detection of Shiga Toxins I and II (verotoxins) from stool broth cultures
Description	
Test Use	To confirm the presence of enterohemorrhagic <i>Escherichia coli</i> (EHEC) in stool enrichment broths that have tested positive for the presence of shiga toxin; to recover shiga-toxin producing isolates for epidemiological characterization.
Test	Microbiology
Department	Phone: (860) 920-6596 FAX: (860) 920-6721
Methodology	Enzyme-immunoassay (EIA)
Availability	Daily, Monday-Friday
Specimen	Stool specimen inoculated into GN or Selenite media
Requirements	Freshly passed stool specimen collected early in the course of the disease
Collection	Stool specimens must be transferred into Cary Blair transport media.
Kit/container	To obtain a collection kit, refer to Collection Kit Ordering Information.
Specimen	Store broth at 2-8° C.
Handling &	Transport specimen at ambient temperature.
Transport	Avoid temperature extremes.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit
	Specimens received in expired media
Requisition	Clinical Test Requisition (select Shiga-toxin (+) Broth Culture)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source of collection, date collected, and test requested
	Please ensure patient name on the requisition matches that on the specimen.
Additional	A positive result may also be obtained by the presence of toxin produced by
Comments	Shigella dysenteriae type 1 strains or other organisms.

	Syphilis Screen (VDRL)
Test	Non-treponemal assay for the detection of reagin in serum. Reactive results
Description	are titered to end point and confirmed with a treponemal-specific test
Test Use	Serologic screen to aid in the diagnosis of primary, secondary or tertiary syphilis
Toot	and for post-treatment evaluation.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	VDRL (Venereal Disease Research Laboratory) slide flocculation test
Availability	Daily, Monday-Friday
Specimen	1-2 mL serum
requirements	
Collection	To obtain a collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Standard venipuncture technique
Instructions	
Specimen	Store in refrigerator at 2-8° C. Specimens must be received within 5 days of
Handling &	collection.
Transport	Transport to laboratory with ice pack coolant (preferred) or at ambient
	temperature. Avoid temperature extremes.
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
	Serum that is hemolyzed or chylous
Requisition Form	Clinical test requisition (select Syphilis Screen (VDRL))
101111	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
information	Specimen type or source of collection, date of collection, test requested
	Please ensure patient name on the requisition matches that on the specimen.
	Non-treponemal tests are not specific for syphilis, nor do they have satisfactory
	sensitivity in all stages of illness. False positive reactions may occur from
Limitations	antibodies unrelated to syphilis infection. False positive VDRL tests caused by
	infection with other organisms or by other conditions can be identified by the
	accompanying nonreactive treponemal test result.
Additional	Reactive VDRL screen results are titered to endpoint and confirmed with a
Comments	treponemal-specific assay (<i>Treponema pallidum</i> Particle Agglutination Assay).
Revision: 8/25/	15

	Syphilis Confirmation (VDRL & TP-PA)
Test description	Detection of <i>Treponema pallidum</i> antibodies in human serum or plasma. Test results include a quantitative VDRL titer and a qualitative treponemal-specific assay result.
Test use	To confirm reactive results of non-treponemal syphilis screening (such as VDRL or RPR); as a diagnostic test in individuals with a nonreactive non-treponemal test result but with symptoms suggestive of late syphilis.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	VDRL slide flocculation test and <i>Treponema pallidum</i> Particle Agglutination Assay (TP-PA)
Availability	Daily, Monday-Friday
Specimen	1-2 mL serum (preferred), or
requirements	plasma collected using EDTA, Sodium Citrate or Heparin anticoagulants
Collection	To obtain a collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Standard venipuncture technique
instructions	
Specimen	Store specimen at 2-8° C. Specimens must be received within 5 days of
Handling &	collection.
Transport	Transport with ice pack coolant (preferred) or at ambient temperature. Avoid
Unacceptable	temperature extremes. Unlabeled specimen
Conditions	Specimen that has leaked or container that has broken in transit Serum that is hemolyzed or chylous
Requisition	Clinical Test Requisition (select Syphilis Confirmation (VDRL & TP-PA))
Form	
Required Information	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, date of birth, town of residence (city, state, zip) Specimen type or source of collection, date of collection, test requested Please ensure patient name on requisition matches that on the specimen.
Limitations	False positive TP-PA reactions occur in a small percentage (<1%) of normal or healthy individuals. False positives may occur in patients with other underlying conditions.
Additional	Test results include both VDRL and TP-PA. All VDRL results are titered to
Comments Revision date: 8/25	endpoint.

Revision date: 8/25/15

	Syphilis CSF (VDRL only)
Test	Non-treponemal test (VDRL) for detection of reagin in cerebrospinal fluid.
Description	Reactive results are titered to endpoint.
Test Use	To rule out neurosyphilis in patients with neurological symptoms.
Test	Virology
Department	Phone: (860) 920-6662 FAX: (860) 920-6661
Methodology	VDRL slide flocculation test
Availability	Daily, Monday-Friday
Specimen	0.5 mL cerebrospinal fluid (CSF) submitted in a sterile screw capped collection
Requirements	tube
Collection	To obtain a collection kit, refer to Collection Kit Ordering Information.
kit/ Container	
Collection	Aseptically obtained cerebrospinal fluid
Instructions	
Specimen	Store at 2-8°C.
Handling &	Transport to the laboratory on a cool pack (preferably) or at ambient
Transport	temperature. Avoid temperature extremes.
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
Requisition	Clinical test requisition (select Syphilis-CSF (VDRL only))
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, date of collection, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	A false negative result can occur in some neurosyphilis patients.
Additional	Reactive results are titered to endpoint.
Comments	

Revision date: 8/25/15

	Varicella zoster IgG Antibody
Test	Qualitative assay for the detection of IgG antibody to varicella zoster virus
Description	(VZV) in human serum
Test Use	Determination of prior exposure to VZV; to determine varicella immune status.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	Indirect Enzyme Immunoassay (EIA)
Availability	Test is performed weekly
Specimen	1 mL serum
Requirements	
Collection	To obtain a collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Standard venipuncture
Instructions	
Specimen	Store serum at 2-8° C. Specimens should be received within 48 hours of
Handling &	collection.
Transport	Transport with an ice pack coolant (preferable) or at ambient temperature.
	Avoid temperature extremes.
	Unlabeled specimen
Unacceptable	Specimens that have leaked or containers that have broken in transit
Conditions	Hemolyzed, lipemic, or icteric serum
	Grossly contaminated serum
Requisition	Clinical Test Requisition (select Varicella zoster IgG)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested, date of collection
	Please ensure patient name on the requisition matches that on the specimen.
Additional	A positive result indicates prior exposure to VZV. The magnitude of the
Comments	reported IgG level cannot be correlated to an endpoint titer and is not
	indicative of the total amount of antibody present.

	West Nile virus IgM Antibody
Test	Qualitative assay for the detection of IgM antibody to West Nile virus in human
Description	serum.
Test Use	As an aid to the laboratory diagnosis of West Nile virus infection in persons
	with symptoms of meningioencephalitis.
Test	Virology
Department	Phone: (860) 920-6662, FAX: (860) 920-6661
Methodology	Enzyme-linked Immunosorbent Assay (ELISA)
Availability	Test is performed as needed
Specimen	1 mL serum
Requirements	
Collection	To obtain a collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection	Standard venipuncture
Instructions	
Specimen	Store serum at 2-8° C.
Handling &	Transport with an ice pack coolant.
Transport	Specimens must be received within 48 hours of collection.
Unacceptable	Unlabeled specimen
Conditions	Specimens that have leaked or containers that have broken in transit
	Hyper-lipemic, hemolyzed, icteric, contaminated or heat-inactivated sera
Requisition	Clinical Test Requisition (select West Nile virus IgM)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, date of birth, town of residence (city, state, zip)
Information	Specimen type or source of collection, test requested, date of collection
	Please ensure patient name on the requisition matches that on the specimen.
	This assay may cross-react with antibodies produced to other
Limitations	flaviviruses (e.g., dengue virus, yellow fever virus, St. Louis encephalitis
	virus, Japanese encephalitis virus and others). These diseases must be
	excluded before confirmation of diagnosis.
	Positive results reported for children must be interpreted with caution
	due to cross reactivity with antibodies to enteroviruses.
Additional	In a majority of infected patients, IgM antibody is detectable in serum by the
Comments	eighth day of infection and remains for at least 1-2 months after illness onset.
	In some patients IgM antibody will be detectable for 1 to 2 years or longer.

Virus Identification (Culture)	
Test	Detection and identification of live viruses from human specimens
Description	
Test Use	Diagnosis of viral infections
Test	Virology
Department	Phone: (860) 920-6662, FAX (860) 920-6661
Methodology	Isolation in cell culture and identification by fluorescent microscopy or PCR
Availability	Daily, Monday-Friday
Specimen Requirements	Swab submitted in viral transport media. Use only polyester or Dacron-tipped swabs with plastic or aluminum shafts. Do NOT use calcium alginate or cotton-tipped swabs, or wood shafted swabs. Fluid specimens (such as CSF or BAL) require 2 mL in an empty sterile screw capped container.
Collection	To obtain collection kit, refer to Collection Kit Ordering Information.
Kit/Container	
Collection Instructions	Specimens should be collected as soon as possible after illness onset, when the greatest amount of virus is present. Standard aseptic specimen collection procedures should be followed. Immediately place specimen into viral transport media.
Specimen	Store and transport specimens at 2-8° C.
Handling & Transport	Specimens should be received within 48 hours of collection.
Unacceptable	Unlabeled specimens
Conditions	Specimens that have leaked or containers that have broken in transit Specimens improperly collected, stored or transported.
Requisition	Clinical Test Requisition (select Virus Identification)
Form	
	Name and address of submitter (and/or Horizon profile #)
Required	Patient name or identifier, town of residence (city, state, zip), date of birth
Information	Specimen type or source, date collected, test requested
	Please ensure patient name on the requisition matches that on the specimen.
Limitations	Only live virus will be detected. A negative result does not rule out the presence of a virus in the specimen. Stage of illness, specimen collection technique, specimen handling and transport affect sensitivity of the test.