

**Quick Guide to
Laboratory Services**

Disease/Agent Suspected or Test Required	Info Starts on Page	PR *	Specimen Needed	TDH Form Number	Container Special Shipping	Laboratory Section to Contact	Lab(s) Performing Test **
Adenovirus culture	5-19		Throat washing or swab, nasopharyngeal washing or swab, conjunctival swab, feces, urine.	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs or dry ice.	Virology	N
<i>Aeromonas</i>	2-18		Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	N
AFB (Acid-fast bacilli) – See <i>Mycobacterium</i> .							
AIDS -- see Human immunodeficiency virus Type 1 (HIV-1).							
Anaerobic bacteria	2-43		Reference culture.	PH-1573	Anaerobic transport system. DO NOT SEND ON COLD PACKS OR DRY ICE.	Bacteriology	N
Anthrax -- See <i>Bacillus anthracis</i> .							
Aquatic biology -- See Environmental Laboratories, Section VI.							
<i>Bacillus anthracis</i>	2-5		Lesion, hair products, blood, sputum. Reference culture.	PH-1573	Use a container appropriate for specimen. Use appropriate media for reference cultures.	BT	N, K
<i>Bacillus cereus</i>	2-48		Reference culture. Foods and clinical specimens relating to foodborne outbreak.	PH-1573	Use trypticase soy agar slants or other appropriate media for reference cultures. Contact the Laboratory if a foodborne outbreak is suspected.	Bacteriology	J, K, N
Biotinidase Deficiency (BIO)	4-1		Dried blood spot	PH-1582	Form PH-1582 contains filter paper for collecting blood spots. Dry blood specimen at room temperatures for at least three hours. Do not place in poly bag. Mail flat in paper envelope	Newborn Screening	N
<i>Blastomyces</i> culture	3-6		Reference culture.	PH-1573	Submit in screw-capped tubes of Sabouraud's agar or other appropriate media.	Mycology	N
Blood parasites	3-9	31	Thick & thin smear & EDTA blood	PH-1573	Place slide in plastic or cardboard slide-holder before packing for shipping.	Parasitology	N

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<i>Bordetella</i> species	2-10		Reference culture.	PH-1573	Use appropriate media for reference cultures.	Bacteriology	N
<i>Bordetella pertussis</i> (Whooping cough)	2-10		Nasopharyngeal swab. Reference culture for isolation.	PH-1573	<i>Regan-Lowe</i> transport media. Use <i>Regan-Lowe</i> transport media or other appropriate media for reference cultures.	Bacteriology	N
<i>Bordetella parapertussis</i>			Nasopharyngeal swab Reference culture for isolation rtPCR automatically added		<i>Regan-Lowe</i> transport media, ship on cold packs	Bacteriology Molecular	N N
Botulism (<i>Clostridium botulinum</i>)	2-5	31	Serum, feces, food, wound culture. Reference culture.	PH-1573	See BOTULISM Section, Page II - 25.	Bacteriology	N
<i>Brucella</i> species	2-4	31	Blood samples, infected tissues, abscess material, bone marrow, or liver biopsies. Reference culture.	PH-1573	Use a container appropriate for specimen type. Use Chocolate agar slant or other appropriate media for reference cultures.	BT	N
Brucellosis -- See <i>Brucella</i> species.						BT	
<i>Burkholderia mallei</i> -- See melioidosis.						BT	
<i>Burkholderia pseudomallei</i> -- See melioidosis.						BT	
CAH -- See Congenital adrenal hyperplasia							
<i>Campylobacter jejuni</i>	2-17	34 32	Rectal swab for isolation.	PH-1573	Cary-Blair transport media. Ship on cold packs.	Enterics	J, K, N
<i>Campylobacter</i> species	2-17	34	Reference culture for identification.	PH-1573	Cary-Blair transport media or other appropriate transport.	Bacteriology	N, K
Candidiasis (<i>Candida albicans</i>)	3-6		Reference culture.	PH-1573	Use appropriate media for reference cultures.	Mycology	N
Cat scratch fever (<i>Bartonella</i> and <i>Rochalimaea</i>) -- Contact Aerobic Bacteriology at (615) 262-6362 for information.							
Certification, Clinical (facility, personnel, and schools) -- Contact the TDH Office of Laboratory Licensing and CLIA Certification at (615) 741-7221.							
Certification, Safe Drinking Water (Microbiology, Chemistry, Radiochemistry) -- Contact Laboratory Quality Assurance at (615) 262-6354							
Chancroid -- See <i>Haemophilus ducreyi</i> .							
Chemistry, Environmental (Inorganics, Organics, Radiochemistry) -- See ENVIRONMENTAL LABORATORIES, Section VI.							
Chickenpox -- See Varicella-zoster virus (VZV).							
<i>Chlamydia trachomatis</i> antigen detection by	2-24		Urine, Cervical or urethral swab.	PH-3179	Gen-Probe transport tube.	Bacteriology	J, K, N

Gen-Probe							
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	*PR-Provider Requirements for submitting specimens to TDH LAB	**	
31	Requires Isolates	J	Jackson
32	Isolates requested	K	Knoxville
33	Isolates from sterile sites requested	N	Nashville
34	Patient info only		
5	Prior Approval required		

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Cholera -- See <i>Vibrio cholera</i> .							
CLIA (Clinical Laboratory Improvement Amendment) information -- Contact the TDH Office of Laboratory Licensing and CLIA Certification at (615) 741-7221.							
<i>Clostridium botulinum</i> , Food -- See Botulism, <i>Clostridium botulinum</i> .							
<i>Clostridium perfringens</i> (gas gangrene)	2-40		Reference culture. Clinical specimens if foodborne outbreak.	PH-1573	Anaerobic transport. DO NOT REFRIGERATE OR FREEZE. Contact the State Laboratory if a foodborne outbreak is suspected.	Bacteriology	N J, K, N (food)
CMV -- See Cytomegalovirus.							
<i>Coccidioides</i>	3 - 7		Reference culture.	PH-1573	Submit in screw-capped tubes of Sabouraud's agar or other appropriate media.	Mycology	N
Congenital adrenal hyperplasia (CAH)	4-3		Dried blood spot	PH-1582	Form PH-1582 contains filter paper for collecting blood spots. Dry blood specimen at room temperature for at least three hours. Do not place in poly bag. Mail flat in heavy paper envelope.	Newborn Screening	N
Continuing education opportunities -- visit http://health.state.tn.us/lab/education.htm							
<i>Corynebacterium diphtheriae</i>	2-4	31	Throat swab or skin lesion swab. Reference culture.	PH-1573	Pai or Loeffler's media or sterile container. Use Pai or Loeffler's media or other appropriate media.	Bacteriology	N
Coxsackie virus culture	5-19		Throat swab, feces, CSF, pericardial fluid.	PH-1579	Container & transport varies with specimen (see page IV -22). Ship on cold packs or dry ice.	Virology	N
<i>Coxiella burnetii</i> -- See Q Fever.							
<i>Cryptosporidium</i>	3-9		Stool specimen.	PH-1573	Intestinal parasite (IP) bottle with 5 to 10 % formalin.	Parasitology	N, K
<i>Cryptosporidium</i> , water – Contact the Environmental Microbiology Laboratory at (615) 262-6371.							
<i>Cyclospora</i>	3-9		Stool specimen	PH-1573	Intestinal parasite (IP) bottle with 5 to 10 % formalin.	Parasitology	N
Cytomegalovirus (CMV) culture	5-20		Urine, throat swab, buffy coat, lung tissue, lung aspirate.	PH-1579	Container & transport varies with specimen (see IV -22). Ship on cold packs. DO NOT FREEZE.	Virology	N

Disease/Agent Suspected or Test Required	Info Starts on Page	PR *	Specimen Needed	TDH Form Number	Container Special Shipping	Laboratory Section to Contact	Lab(s) Performing Test **
Diphtheria -- See <i>Corynebacterium diphtheriae</i> .							
Eastern equine encephalitis virus serology	5-3		Acute and convalescent (14 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	K, N
Echovirus culture	5-19		Throat swab, feces, CSF, pericardial fluid	PH-1579	Container & transport varies with specimen. See page V - 22.) Ship on cold packs or dry ice.	Virology	N
Ehrlichia chaffeensis	5-3		Acute & convalescent (28 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
<i>Entamoeba histolytica</i> (amebiasis)	3-9		Stool specimen.	PH-1573	Intestinal parasite (IP) bottle with 5 to 10 % formalin.	Parasitology	N
Enteric bacteriology -- See specific organism or ENTERIC BACTERIOLOGY, Section 2-22.							
Enterovirus culture	5-19		Throat swab, feces, CSF, pericardial fluid, vesicle scraping.	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs or dry ice.	Virology	N
Environmental microbiology testing	2-51		Water sample.	PH-1575	Total coliform -- 125 ml or water sample bottle, filled to the shoulder. Fecal coliform -- 125 or 250 ml water sample bottle, filled to the shoulder.	Environmental Microbiology	K, J, N
Shiga toxin producing <i>Escherichia coli</i> isolation and typing	2-55	31	Reference culture. Fecal or rectal swab	PH-1573	Use appropriate media. Cary-Blair transport. Ship on cold packs..	Enterics	J, N, K
Fecal coliform	2-51		Water sample.	PH -1575	125 or 250-ml water sample bottle, filled to the shoulder.	Environmental Microbiology	J, K, N
Fluorescent treponemal antibody (FTS-ABS) -- See Syphilis.							

Disease/Agent Suspected or Test Required	Info Starts on Page	PR *	Specimen Needed	TDH Form Number	Container Special Shipping	Laboratory Section to Contact	Lab(s) Performing Test **
Foodborne illness outbreak (<i>Bacillus cereus</i> , <i>Campylobacter</i> , <i>Clostridium botulinum</i> , <i>Clostridium perfringens</i> , <i>E. coli</i> 0157, <i>Salmonella</i> , <i>Shigella</i> , <i>Staphylococcus aureus</i> , others)	2-48		Contact Laboratory Services if a foodborne outbreak is suspected. See page II - 41 for additional information.	PH-1573	Contact Laboratory Services.	Environmental Microbiology	J, K, N
<i>Francisella tularensis</i>	2-4	31	Material from lesions, lymph nodes, sputum, gastric aspirates, nasopharyngeal washings, blood cultures. Reference culture.	PH-1573	Sterile containers, no transport medium. Ship frozen on dry ice. Appropriate media.	BT	N, K
FTA-ABS -- See Syphilis.							
Fungus culture (Mycology)	3-6		Material from the site of infection. Reference culture.	PH-1573	Submit in screw-capped tubes of Sabouraud's agar or other appropriate media or submit clinical specimen.	Mycology	N
Galactosemia	4-3		Dried blood spot.	PH-1582	Form PH-1582 contains filter paper for collecting blood spots. Dry blood specimen at room temperature for at least three hours. Do not place in polybag. Mail flat in heavy paper envelope.	Newborn Screening	N
<i>Giardia</i>	3-9		Stool specimen.	PH-1573	Intestinal parasite (IP) bottle with 5 to 10% formalin.	Parasitology	N
<i>Giardia</i> , water -- Contact Environmental Microbiology at (615) 262-6371.							
Gonorrhea antigen detection by NAA	2-24		Urine, Cervical or urethral swab.	PH-3179	Unisex transport tube.	Bacteriology	J, K, N

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Gonorrhea culture	2-28		Cervical, urethral, rectal, throat, eye swab.	PH-1583	Martin-Lewis media (GonoPac plates). Ship in CO ₂ atmosphere.	Bacteriology	J, K, N
<i>Haemophilus ducreyi</i>	2-8		Lesion or inguinal bubo.	PH-1573	Transport as subsurface stabs in chocolate agar.	Bacteriology	N
<i>Haemophilus influenzae</i>	2-8	33	Reference culture from sterile sites.	PH-1573	Appropriate media.	Bacteriology	N
Hantavirus serology -- Contact the Serology Section at (615) 262-6374.							
Hemoglobinopathies (Sickle cell and other diseases)	4-2		Dried blood spot specimen.	PH-1582	Form PH-1582 contains filter paper for collecting blood spots. Dry blood specimen at room temperature for at least three hours. Do not place in poly bag. Mail flat in heavy paper envelope.	Newborn Screening	N
Herpes simplex virus culture	5-19		Vesicle scraping, brain biopsy, conjunctival swab, urogenital swab	PH-1579	Container and transport varies with specimen (see V-22.) Ship on cold packs or dry ice.	Virology	N
<i>Histoplasma</i> culture	3-6		Reference culture.	PH-1573	Submit in screw-capped tubes of Sabouraud's agar or other appropriate media.	Mycology	N
Human Immunodeficiency Virus Type 1 (HIV-1) serology	5-2		Whole, clotted blood or serum.	PH-3173	Red-stoppered vacuum tube or sterile, plastic screw-capped vial. (The Jackson and Knoxville Labs forward specimens to Nashville for the Western blot test.)	Serology	EIA -- J,K, N Western blot -- N
Hypothyroidism -- See T4 and TSH.							
Influenza virus culture	5-19		Throat washing or swab, nasopharyngeal washing or swab.	PH-1579	Container & transport varies with specimen (see page V -22). Ship on cold packs or dry ice.	Virology	N

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Inorganic chemistry – See ENVIRONMENTAL LABORATORIES, Section 6.							
Intestinal parasites	3-9		Stool specimen.	PH-1573	Intestinal parasite (IP) bottle with 5 to 10 % formalin.	Parasitology	N
Laboratory regulations, CLIA – Contact the TDH Office of Laboratory Licensing and CLIA Certification at (615) 741-7221.							
Laboratory regulations, (Tennessee) clinical personnel, facilities, laboratory schools -- Contact the TDH Office of Laboratory Licensing and CLIA Certification at (615) 741-7221.							
LaCrosse encephalitis virus (California Group) serology	5-3		Acute and convalescent (14 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	K, N
<i>Legionella pneumophila</i> , culture	2-35	31	Respiratory tract secretions, tissues, pleural fluid, transtracheal aspirates, bronchial washings and biopsies. Reference culture.	PH-1573	Sterile, screw-capped container. Use appropriate media for reference culture.	Bacteriology	N
<i>Legionella pneumophila</i> Type 1 serology	5-3		Acute and convalescent (28 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
<i>Legionella</i> , environmental sample --Contact the Bacteriology Section at (615) 262-6362.						Bacteriology	N
Legionnaires diseases -- see <i>Legionella</i> .							

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<i>Listeria monocytogenes</i>	2-6 2-48	31	Reference culture. Food.	PH-1573	Use appropriate media for reference culture. Contact the laboratory if a foodborne outbreak is suspected.	Bacteriology	J, K, N
Malaria slide (<i>Plasmodium</i> species)	3-9	31	Thick & thin smears & EDTA blood	PH-1573	Place slide in plastic or cardboard slide holder before packing for shipping.	Parasitology	N
Measles virus culture (Rubeola)	5-20		Throat washing or swab, nasopharyngeal washing or swab, conjunctival secretions.	PH-1579	Sterile container. Ship on cold packs or dry ice.	Virology	N
Measles virus serology (Rubeola)	5-20	5	Immunity screening -- whole, clotted blood or serum.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
			Diagnostic testing -- acute and convalescent (14 days) sera.				
Melioidosis (<i>Burkholderia</i>)	2-5		Reference culture.	PH-1573	Use appropriate media for reference culture.	BT	N, K
Mumps virus culture	5-20		Throat washing or swab, urine, CSF. Buccal swab	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs or dry ice.	Virology	N
Mumps virus serology	5-3	5	Immunity screening -- whole, clotted blood or serum.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
			Diagnostic testing -- acute and convalescent (14 days) sera.				
<i>Mycobacterium</i> cultures for identification	3-1	31	Reference culture.	PH-1577	Submit in screw-capped tubes of Lowenstein-Jensen media or other appropriate media.	Mycobacteriology	N

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<i>Mycobacterium</i> isolation	3-1		Sputum, bronchial washings, gastric lavage, tissue, urine, feces, blood. (Feces is accepted only from immunocompromised patients.)	PH-1577	50 ml conical sputum tube.	Mycobacteriology	N
<i>Mycobacterium tuberculosis</i> -- See <i>Mycobacterium</i> .							
<i>Mycoplasma pneumoniae</i> serology	5-3		Acute and convalescent (14 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
<i>Neisseria gonorrhoeae</i> -- See Gonorrhea.							
<i>Neisseria meningitidis</i> grouping	2-6	33	Reference culture.	PH-1573	Submit on chocolate agar slant or other appropriate media.	Bacteriology	N
Newborn Screening -- See biotinidase deficiency (BIO), congenital adrenal hyperplasia (CAH), galactosemia, hemoglobinopathies, phenylketonuria, and thyroid stimulating hormone (TSH).							
Norovirus – Requested through consultation with epidemiology only. Please contact your local or regional public health epidemiologist.							J, N, K
Notifiable diseases -- See page 2-3							
Notifiable diseases requiring referral of culture to the TDH Laboratory -- See page –2-3.							
Ordering supplies and forms – See section 1, pages 8-12							
Organic chemistry -- See ENVIRONMENTAL LABORATORIES, Section 6.							
Ova and parasites -- See Parasites, Intestinal, page –3-9.							
Parainfluenza virus culture	5-20		Throat washing or swab, nasopharyngeal washing or swab.	PH-1579	Container & transport varies with specimen (see page V -22). Ship on cold packs or dry ice.	Virology	N
Parasites, intestinal	3-9		Stool specimen.	PH-1573	Intestinal parasite (IP) bottle with 5 to 10% formalin.	Parasitology	N
<i>Pertussis</i> -- See <i>Bordetella pertussis</i> .							

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Phenylketonuria PKU, See Amino Acid Disorders	4-3		Dried blood spot specimen.	PH-1582	Form PH-1582 contains filter paper for collecting blood spots. Dry blood specimen at room temperature for at least three hours. Do not place in poly bag. Mail flat in heavy paper envelope.	Newborn Screening	N
Pinworm	3-9		Perianal slide (see page III - 15).	PH-1573	Place slide in plastic or cardboard slide holder before packing for shipping.	Parasitology	N
PKU -- See Phenylketonuria.							
Plague -- See <i>Yersinia pestis</i> .							
<i>Plasmodium</i> species -- See Malaria.							
<i>Plesiomonas</i> species	2-18		Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	N
Poliovirus culture	5-20		Throat washing or swab, feces, nasopharyngeal washing or swab, rectal swab.	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs or dry ice.	Virology	N
Q Fever (<i>Coxiella burnetii</i>) serology	5-3		Acute and convalescent (28 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N K (by PCR)
Rabbit fever -- See <i>Francisella tularensis</i> .							
Rabies	5-16		See Rabies Section for specimen needed.	PH-1584	Pack in a leak-proof container and place in a cardboard box. Ship on cold packs.. DO NOT FREEZE.	Virology	J, K, N
Radiation Surveillance -- See ENVIRONMENTAL LABORATORIES, Section 6.							
Radiochemistry -- See ENVIRONMENTAL LABORATORIES, Section 6.							
Rat-bite fever (<i>Spirillum minor</i> , <i>Streptobacillus moniliformis</i>) -- Contact the Aerobic Bacteriology Section (615) 262-6363 for information.							
Rapid plasma reagin (RPR) -- See Syphilis serology, Section 5.							

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Respiratory syncytial virus (RSV) culture	5-20		Nasopharyngeal washing or swab.	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs.. DO NOT FREEZE.	Virology	N
Rocky Mountain spotted fever serology (<i>Rickettsia rickettsii</i>)	5-3		Acute & convalescent (28 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
RPR (Rapid Plasma Reagin) -- See syphilis serology.							
Rubella virus culture	5-20		Nasopharyngeal washing or swab, CSF, urine.	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs or dry ice.	Virology	N
Rubella virus serology	5-3		Immunity screening -- whole. clotted blood or serum. Diagnostic testing -- acute and convalescent (14 days) sera.	PH-1917 PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
Rubeola -- See Measles							
Safe Drinking Water Certification (Environmental Microbiology, Chemistry, Radiochemistry) -- Contact Laboratory Quality Assurance at (615) 262-6354.							
<i>Salmonella</i> isolation	2-17		Fecal or rectal swab.	PH-1573	Cary-Blair transport. Ship on cold packs..	Enterics	J, K, N
Food	2-29					Environmental Micro	
<i>Salmonella</i> serotyping	2-17	31	Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	N
SARS (Severe acute respiratory syndrome) Contact CEDS 615-741-7247							
<i>Shigella</i> isolation	2-17		Fecal or rectal swab.	PH-1573	Cary-Blair transport. Ship on cold packs..	Enterics	J, N, K
<i>Shigella</i> typing	2-17	31	Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	J, N, K

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Shingles -- See Varicella-zoster.							
Sickle cell anemia -- See Hemoglobinopathies.							
Sputum for Mycobacteria -- See <i>Mycobacterium</i> isolation.							
St. Louis encephalitis virus serology	5-4		Acute and convalescent (14 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	K, N
<i>Staphylococcus aureus</i>	2-6		Isolates from documented outbreaks.	PH-1573	Submit isolates on trypticase soy agar slants or other appropriate media.	Bacteriology	J, N, K
Food	2-48		Contact Laboratory Services if an outbreak is suspected.			Environmental Micro	
<i>Streptobacillus moniliformis</i> – See Rat-bite Fever.							
<i>Streptococcus</i> species	2-4	* 33	Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Bacteriology	N, K
<i>Streptococcus</i> Group A	2-53	33	Isolate from necrotizing fasciitis wound cultures or normally sterile sites	PH-1587	Trypticase soy agar slant (TSA).	Bacteriology	N
<i>Streptococcus pneumoniae</i>	2-8	33	Isolated from sterile sites	PH-1573	Submit in screw-capped tubes growing on appropriate media.	Bacteriology	N
Syphilis serology -- Blood	5-12		Whole clotted blood or serum.	PH-1578	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	J, K, N
Syphilis serology -- CSF	5-12		CSF	PH-1578	Sterile container.	Serology	N
TB -- see <i>Mycobacterium</i>							

* 33 *Streptococcus* Group A, *Streptococcus* Group B, and *Streptococcus pneumoniae*

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Thyroid stimulating hormone (TSH)	4-5		specimen.	PH-1582	Form PH-1582 contains filter paper for collecting blood spots. Dry blood specimen at room temperature for at least three hours. Do not place in poly bag. Mail flat in heavy paper envelope.	Newborn Screening	N
Total coliform	2-51		Water sample.	PH-1575	125 ml water sample bottle, filled to the shoulder.	Environmental Micro	N, K
TP-PA (<i>Treponema pallidum</i> Particle Agglutination) – See Syphilis Serology							
TSH -- See Thyroid stimulating hormone, Section 4-5.							
Tuberculosis and other Mycobacterial disease -- see <i>Mycobacterium</i> , Section 3.							
Tularemia -- See <i>Francisella tularensis</i> , Section 2.							
Typhoid Fever -- See <i>Salmonella</i> , Section 2.							
Typhus (<i>Rickettsia typhi</i>) serology	5-4		Acute and convalescent (28 days) sera.	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
Undulant fever -- See <i>Brucella</i> species. See Section 2.							
Vaccinia (Note: The vaccine used for protection against Smallpox is a Vaccinia vaccine.) Contact CEDS 615-741-7247							
Varicella-zoster virus (Chickenpox) culture	5-20		Vesicle scraping, throat washing. Prior consultation required!	PH-1579	Container & transport varies with specimen (see page V - 22). Ship on cold packs or dry ice.	Virology	N K (by DFA)
VDRL serology -- See Syphilis, CSF.							
<i>Vibrio cholera</i>	2-18	31	Fecal or rectal swab.	PH-1573	Cary-Blair transport. Ship on cold packs.	Enterics	N
<i>Vibrio</i> species	2-18	31	Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	J, N, K
Water bacteriology -- See WATER MICROBIOLOGY, Section 2.							
Water chemistry -- See ENVIRONMENTAL LABORATORIES, Section 6.							

*PR-Provider Requirements for submitting specimens to TDH LAB	**
31 Requires Isolates	J Jackson
32 Isolates requested	K Knoxville
33 Isolates from sterile sites requested	N Nashville
34 Patient info only	
5 Prior Approval required	

Disease/Agent Suspected or Test Required	Info Starts on Page	PR*	Specimen Needed	TDH Form Number	Container Special Shipping	Laboratory Section to Contact	Lab(s) Performing Test **
Western Equine encephalitis virus serology	5-4		Acute and convalescent (14 days) sera	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	K, N
West Nile Virus Encephalitis - Human	5-4		Acute and convalescent (14 days) sera, CSF. Contact regional health officer for approval to send	PH-1589	Red-stoppered vacuum tube or sterile, plastic screw-capped vial.	Serology	N
West Nile Virus – Birds & Mosquitoes			Refer to Annual Guidelines provided by CEDS, for information call 615-741-7247				N
<i>Yersinia enterocolitica</i>	2-18		Isolation --fecal or rectal swab. Reference culture.	PH-1573	Cary-Blair transport. Ship on cold packs.. Submit reference culture in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	J, K, N
<i>Yersinia pestis</i>	2-18	31	Isolation -- Blood, aspirated fluids from lymph nodes or bubo. Reference culture.	PH-1573	Blood culture bottles for blood and aspirated fluids; sterile container for other specimens. Submit reference culture in screw-capped tubes of trypticase soy agar or other appropriate media.	BT	J, N, K
<i>Yersinia pseudotuberculosis</i>	2-18		Reference culture.	PH-1573	Submit in screw-capped tubes of trypticase soy agar or other appropriate media.	Enterics	N

*PR-Provider Requirements for submitting specimens to TDH LAB
31 Requires Isolates
32 Isolates requested
33 Isolates from sterile sites requested
34 Patient info only
5 Prior Approval required

**
J Jackson
K Knoxville
N Nashville