

Reference List of Laboratory Tests

I. Purpose

To provide a list of agents or conditions for which testing is available for county health departments and other clinical partners. Applicable ordering, specimen information, testing, mailing containers and resulting required for each condition is listed.

II. Procedural instructions

Good laboratory practices include the following:

1. Follow the manufacturer’s instructions for specimen collection and handling.
 - Are specimens stored at the proper temperature?
 - Are the appropriate collection containers used?
2. Be sure to properly identify the patient.
 - Does the name on the test requisition match the patient’s name?
 - Does the name on the patient’s chart match the name on the patient’s identification?
 - If more than one patient is present with the same first and last name, how do you determine which one is the test patient? (Look for possible gender differences, social security number, patient identification number, birthdates, different middle name, and relevance of the test to the patient’s history).
3. Be sure to label the patient’s specimen for testing with two unique identifiers to each patient.
4. Inform the patient of any test preparation such as fasting, clean catch urines, etc.

Local Health Departments and other clinical partners are to refer to the following listing for specimen source, Outreach code for submission, and container supplied by the Division of Laboratory Services.

All submitters are required to follow federal and state regulations for packaging and shipping of specimens. Refer to 49CFR 171-180 for current regulations on packaging and shipping of infectious substances.

CPT codes listed in the DLS Reference List of Test is for reference only. It is the responsibility of each laboratory to determine correct CPT codes for billing.

For tests not listed, call the Division of Laboratory Services at (502)564-4446 for additional information

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VIROLOGY

VIRAL SEROLOGY TO DETECT ANTIBODY

Tests for the following are performed under Antibody Detection:

- Varicella Zoster (Chickenpox)
- Mumps IgG
- Measles (Rubeola) IgG
- German Measles (Rubella) IgG
- SARS-CoV-2

Methodology: EIA

Specimen:

- 2 ml Serum or 6ml Whole Blood

Kit components ordered as needed:

- Red-stopper tube
- Electronic OUTREACH form or Lab Form #275 printed from Internet
- Address label
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material
- Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack. Multi-shipper with cold pack- outside box with Styrofoam inside container, 95kPa bag, freezer pack

Collection and Packaging Instructions:

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper with Cold Pack

	Outreach Test Code	CPT Code	Reference Range
Varicella Zoster	VZE	86787	Immunity Range – Index Greater than or Equal to 1.10
Mumps	MUEG	86735	Mumps IgG antibody detected. Indicative of current or past infection, or consistent with immunity. Immunity Reference range ≥ 1.1 Index. IgM - Detected/Not Detected
Measles	MEAE	86765	Immunity Range – Index Greater than or Equal to 1.10
German Measles	RUBG	86762	Immunity Range – Index Greater than or Equal to 1.10
SARS-CoV-2	COVAB	86769	Negative for the presence of Total Anti-SARS-CoV-2 Nucleocapsid Antibodies

VIRAL PCR

Tests for the following are performed under Viral PCR:

Chickenpox
SARS-CoV-2
Herpes
Influenza
Measles
Mumps
Norovirus
Respiratory Panel

Methodology: Polymerase Chain Reaction (PCR)

Specimen:

- Chickenpox – Swab of lesion in Viral Transport Media
- SARS-CoV-2– Nasopharyngeal swab, Nasal swab, Throat swab in Viral Transport Media; Throat swab or nasal swab in Aptima Multitest Swab Collection Kit
- Herpes – Swab of lesion in Viral Transport Media
- Influenza – Nasopharyngeal swab, Nasal, Tissue, Bronchial wash, Throat swab, Nasal wash all in Viral Transport Media. If sending lung tissue, send in a sterile container. No Formalin or Fixative.
- Measles – Throat swab, NP swab, or NP aspirate in Viral Transport Media
- Mumps – Buccal or throat swab in Viral Transport Media
- Norovirus – Stool, Emesis in sterile empty collection vial
- Respiratory Panel – Nasopharyngeal swab in Viral Transport Media

Kit components ordered as needed:

- Electronic OUTREACH form or Lab Form #275 printed from Internet
- Address label
- Multi-shipper with cold pack- outside box, with Styrofoam inside container/or comparable refrigerated cooler
- 1 freezer pack
- 1 95kPa bag/Absorbent Sheet
- 1 Viral Transport Media/swab
- Sterile empty collection vial (Norovirus)
- Red Stoppered Tube

Collection and Packaging Instructions:

Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack. Send Viral Transport Media specimen on cold pack. Ship Viral Transport Media frozen if delayed shipping.

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper with Cold Pack and Multi-shipper with Cold Pack Virus

	Outreach Test Code	CPT Code	Reference Range
Respiratory Panel	RESP	87633	Not Detected
Chickenpox	HSVP	87798	Varicella Zoster Virus DNA Not Detected
SARS-CoV-2	NCOV	CDC Panther GeneXpert - 87635-QW ²	COVID-19 Not Detected SARS-COV-2 Not Detected SARS-COV-2 Negative
Herpes	HSVP	87529 x2	Herpes Virus Type 1 DNA Not Detected Herpes Virus Type 2 DNA Not Detected
Influenza	FPCR	87501	Negative Influenza A/B by PCR
Measles	MEPCR	87798	Not Detected
Mumps	MUPCR	87798	Not Detected
Norovirus	NORX	87798 x2	Negative for Norovirus by PCR

KY Division of Laboratory Services



"This form, when filled in, contains patient information that must be protected in accordance with the Health Insurance Portability Accountability Act."

Lab 275 (Rev 4/2021)

<p style="text-align: center;">KY Division of Laboratory Services 100 Sower Blvd Suite 204 Frankfort KY 40601 (502) 564-4446 FAX (502) 564-7019</p>	<h3>Tests Requested</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">COVID-19</td> <td style="width: 40%; text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Influenza</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2">Was patient prescreened for flu?</td> </tr> <tr> <td colspan="2">Result of prescreening:</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td>Respiratory Panel</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Herpes/VZV</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Measles</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Mumps</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Norovirus</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2" style="text-align: center;">Specimen Source / Date Collected</td> </tr> <tr> <td>Throat Swab <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>NP Swab <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>OP Swab <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>Nasal Swab <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>Genital Swab <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>CSF <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>Stool <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>Serum <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>Other <input type="checkbox"/></td> <td> </td> </tr> <tr> <td>Hospitalization</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>Pregnant</td> <td>_____ weeks</td> </tr> <tr> <td colspan="2">Testing approved? 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COVID Sequencing Yes <input type="checkbox"/> No <input type="checkbox"/>		<h3>CLINICAL DATA</h3> <p>Purpose of request: <input type="checkbox"/> diagnostic (give onset) <input type="checkbox"/> immune status <input type="checkbox"/> antibody status <input type="checkbox"/> Deceased Other _____</p> <p>Date of Onset:</p> <p>Symptoms: YES NO</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Fever</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Neurological</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Headache</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Respiratory</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Gastrointestinal</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Fatigue</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Rash</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Lesions</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Other _____</td> </tr> </table> <p>Immunizations / Date</p> <p>None <input type="checkbox"/></p> <p>MMR _____</p> <p>Influenza _____</p> <p>Varicella _____</p> <p>COVID _____</p> <p>Contacts / Recent Travel</p> <p>Tick bite _____</p> <p>Mosquito bite _____</p> <p>Community _____</p> <p>Other _____</p> <p>Travel _____</p>	Fever	<input type="checkbox"/>	<input type="checkbox"/>	Neurological	<input type="checkbox"/>	<input type="checkbox"/>	Headache	<input type="checkbox"/>	<input type="checkbox"/>	Respiratory	<input type="checkbox"/>	<input type="checkbox"/>	Gastrointestinal	<input type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input type="checkbox"/>	<input type="checkbox"/>	Rash	<input type="checkbox"/>	<input type="checkbox"/>	Lesions	<input type="checkbox"/>	<input type="checkbox"/>	Other _____		
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Date Received	Laboratory #	Tech Date Reported																																																																													

RABIES DETECTION IN ANIMALS

Specimen:

- Animal head, Brain to include stem and cerebellum

Methodology: Microscopic Exam

Collection Kit (Rabies Kit) Furnished by State Lab Contains:

- Electronic OUTREACH form or Lab Form #254A printed from Internet
- Styrofoam Refrigerated Cooler System
- Address label
- Ice Pack
- 2 plastic Infecon bags (1 small and 1 large)
- 1 (large) white absorbent pad
- Zippered bag for form

Collection and Packaging Instructions:

Heads must be sent ASAP and packaged on cold packs. If shipping will be delayed, specimens should be frozen.

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Rabies Packaging

	Outreach Test Code	CPT Code	Reference Range
Rabies	RABP	NA	No evidence of Rabies seen

Lab 254A (Rev 9/2018) KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, KY 40601 (502)564-4446	 Kentucky Public Health <h2 style="margin: 0;">Rabies Examination</h2> Rabies/Necropsy _____ Rabies Test Only _____ (No other Tests will be done) Ref # _____
Incident Information	
Kind of Animal: Dog ___ Cat ___ Fox ___ Skunk ___ Bat ___ Raccoon ___ Other _____ If applicable: Breed _____ Sex _____ Age _____ Color _____ Common Species Name _____ Was Animal: Owned _____ Vaccinated? Yes ___ No ___ Stray _____ Date ___/___/___ (Mo/Yr) Symptoms suggestive of Rabies? Yes ___ No ___ If Yes, Describe _____ County of Incident: _____	
Reason for Request	
Person Bitten? Yes ___ , (Name) _____ (Area of Body) _____ Person Exposed: Scratched ___ Licked ___ Touched ___ Animal Exposed: _____ No Known Exposure: _____	
Specimen Information	
Animal: Killed ___ Died ___ Date: ___/___/___ (Day/Mon/Year) Packed For Shipment: Date: ___/___/___ (Day/Mon/Year)	
Identification	
Preference: (Must be a person's name) Owner if known, or the person exposed Name: _____ Phone: _____ Address: _____ City: _____ St: _____ Zip: _____	
Submitting County Health Department: _____ City: _____ St: _____ Zip: ___ Phone: _____	
If applicable: Vet Clinic; or Reference Lab Name: _____ Address: _____ City: _____ St: _____ Zip: ___ Phone: _____	
All below for DLS use ONLY Date Received: _____ ID #: _____ Lab # _____	Comments: _____ _____ _____ _____ _____ _____
Confirmatory :POS _____ Date / Time: _____ NEG _____ To : _____ Unsatisfactory: _____ By : _____ Reason Unsat: _____	
Lab 254A (Rev 9/2018)	

HUMAN IMMUNODEFICIENCY VIRUS (HIV)

Specimen:

- 2 ml Serum or 6ml whole blood in red-stoppered tube.
- Plasma (potassium EDTA, sodium and lithium heparin, sodium citrate)

Methodology: EIA

Kit components ordered as needed:

- Electronic OUTREACH form or Lab Form #197 printed from Internet
- Mailing Label
- Red stoppered tube
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material

Collection and Packaging Instructions:

Specimens may be stored at 2-8 C for 7 days, or for no longer than 2 days at room temperature.

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper

	Outreach Test Code	CPT Code	Reference Range
HIV	HIV	HIV Combo-87389 Geenius - 86701 & 86702	Non-Reactive: No P24 Antigen or Antibodies to HIV-1/HIV-2 Detected Not detected

Note: If HIV Ag/Ab assay is repeatedly reactive, HIV1/2 Ab differentiation (Geenius) is performed.

Form 197
 Revised 9/2018

"This form when filled in contains patient information that must be protected in accordance with the Health Insurance Portability Accountability Act."

<p style="text-align: center;">KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, Kentucky 40601 Phone: 502/564-4446 Fax: 502/564-7019</p> <p style="text-align: center; font-size: small;">Please complete a separate form for each specimen.</p>	 <p style="text-align: center;">Human Immunodeficiency Virus Serology</p>		
PATIENT INFORMATION:			
Name (Last, First, MI) _____			
Social Security # _____ Sex _____ Race _____ Age _____ Birthdate _____			
Home Address _____			
City _____ State _____ Zip Code _____ County _____			
Send Report To:			
Submitter _____			
Street Address (PO BOX) _____			
City _____ State _____ Zip Code _____			
Specimen Information:			
Specimen type: <input type="checkbox"/> Serum <input type="checkbox"/> Whole Blood <input type="checkbox"/> Other _____			
Date of Collection _____			
Program: Has patient been previously tested: <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, when (date) _____: previous results: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Indeterminate			
Reason For Testing: (Mark One)			
<input type="checkbox"/> Counseling-Testing Site Volunteer <input type="checkbox"/> Confidential <input type="checkbox"/> Anonymous <input type="checkbox"/> Maternal & Child Health Clinic Patient <input type="checkbox"/> Symptoms suggest HIV Infection <input type="checkbox"/> Risk factors for HIV Infection	<input type="checkbox"/> TB Patient <input type="checkbox"/> STD Clinic <input type="checkbox"/> Person in Custody of Social Services <input type="checkbox"/> Needlestick Injury <input type="checkbox"/> Other (prior approval required)		
Laboratory Findings:			
Specimen Unsatisfactory:			
<input type="checkbox"/> Broken in transit <input type="checkbox"/> Insufficient quantity	<input type="checkbox"/> Chylous <input type="checkbox"/> Laboratory Accident		
<input type="checkbox"/> Hemolyzed <input type="checkbox"/> Other _____			
ELISA- Enzyme-Linked Immunosorbent Assay Test:			
<input type="checkbox"/> Non-reactive: No p24 antigen or antibodies to HIV-1/HIV-2 detected			
<input type="checkbox"/> Repeatedly reactive: Supplemental testing required			
Confirmatory Test Performed: Geenius			
<input type="checkbox"/> Non-reactive: HIV (1 or 2) antibodies are not detected			
<input type="checkbox"/> Reactive: Antibody to HIV-1 detected			
<input type="checkbox"/> Reactive: Antibody to HIV-2 detected			
<input type="checkbox"/> Indeterminate: Testing inconclusive- Please submit an additional specimen as clinically indicated or in six weeks per CDC guidelines			
Date Received: _____	Laboratory Number: _____	Date Reported: _____	Technologist: _____

PRENATAL PROFILE

Tests included in Prenatal Profile: Syphilis, Hepatitis B Surface Antigen(HBsAg), Rubella

Specimen:

- One 6ml red-stoppered tube of whole blood

Methodology: EIA

Kit components ordered as needed:

- One red-stoppered tube
- Electronic OUTREACH form or Lab Form #212 printed from Internet
- Mailing Label
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material
- Multi-shipper with cold pack- outside box, with Styrofoam inside container, 95kPa bag, freezer pack

Note: Use this profile only when ordering complete profile of tests. See lab form #213 for individual Syphilis, Rubella, Hepatitis

Collection and Packaging Instructions:

Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper, Multi-Shipper with Cold Pack

	Outreach Test Code	CPT Code	Reference Range
Prenatal Profile	PNP	Syphilis IgG – 86780	Non-Reactive
		HBsAg – 87340	Non-Reactive
		Rubella IgG - 86762	Consistent with Immunity, Immunity Reference Range- >1.1 Index

Lab Form 212
 Revised 9/2018

"This form, when filled in, contains patient information that must be protected in accordance with the Health Insurance Portability & Accountability Act."

<p style="text-align: center;">KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, Kentucky 40601 Phone: 502/564-4446 Fax: 502/564-7019</p>	<div style="text-align: center;">  Kentucky Public Health <small>PROTECT. PROMOTE. PREVENT.</small> </div> <h2 style="text-align: center; margin: 0;">Prenatal Profile</h2> <p style="text-align: center; font-size: small; margin-top: 10px;">Use this form for complete profile only, see Lab Form 213 for individual tests.</p>
<p>Please submit a completed Prenatal Profile Form and one full 6 mL red stoppered tube per patient.</p> <p>Patient Information (Please use L label or fill in completely):</p> <p>_____</p> <p>Patient Name (Last, First, MI)</p> <p>_____</p> <p>Patient I.D. # Sex Race Age DOB</p> <p>_____</p> <p>Home Address</p> <p>_____</p> <p>City State Zip County</p> <p>_____</p> <p>Submitter Name Submitter Site Code</p> <p>_____</p> <p>_____</p> <p>Weeks Pregnant Date Collected</p>	
<p>Prenatal Profile (Syphilis, HBsAg, Rubella, Hepatitis C) requires one <u>full</u> 6 mL red-stoppered tube and one Plasma Preparation Tube (PPT).</p>	
<p>Comments:</p> 	
<p><i>For Laboratory Use Only</i></p>	

HEPATITIS A

Tests for the following are performed under Hepatitis A:

- IgM

Methodology: EIA

Specimen:

- 2 ml Serum or 6ml whole blood in red-stoppered tube

Kit components ordered as needed:

- Red-stoppered tube
- Electronic OUTREACH form or Lab Form #213 printed from Internet
- Mailing label
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material
- Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack - Multi-shipper with cold pack- outside box, with Styrofoam inside container, 95kPa bag, freezer pack

HEPATITIS B

Tests for the following are performed under Hepatitis B:

- HBsAg (Hepatitis B surface antigen)
- Anti-HBs (Antibody to HbsAg)
- Anti-HBc (Antibody to HB core antigen)

Methodology: EIA

Patients Qualifying:

- Prenatal patients, their contacts, and local health department employees (See Notes).

Specimen:

- 2 ml Serum or 6ml whole blood in red-stoppered tube

Kit components ordered as needed:

- Red-stoppered tube
- Electronic OUTREACH form or Lab Form #213 printed from Internet
- Mailing label
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material
- Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack - Multi-shipper with cold pack- outside box, with Styrofoam inside container, 95kPa bag, freezer pack

Note: Hepatitis B testing of local health department patients other than prenatal patients and their contacts must be approved by the Division of Epidemiology prior to testing. Hepatitis B testing of local health department employees other than for determining immune status following immunization and in managing needlestick situations must also be approved by the Division of Epidemiology prior to testing.

HEPATITIS C

Patients Qualifying:

- Refer to the DPH Clinical Core Service Guide

Methodology: EIA, Aptima HCV Quantitative Assay

Specimen:

- 2 ml Serum or 6ml whole blood in red-stoppered tube
- 2ml Plasma (Preferred)

Kit components ordered as needed:

- Plasma Preparation Tube (PPT) spun within 6 hours of collection
- Electronic OUTREACH form or Lab Form #213 printed from Internet
- Mailing label
- Shipping Serum and PPT – Ship on ice pack - Multi-shipper with cold pack- outside box, with Styrofoam inside container, 95kPa bag, freezer pack

NOTES:

- Patient will have to be contacted and specimen recollected into PPT tube for any confirmation testing if sample not originally sent in PPT tube.
- Specimens collected in PPT tube can be refrigerated for 3 days before testing or can be frozen up to 6 weeks

Hepatitis - Collection and Packaging Instructions:

Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper, Multi-shipper with cold pack Hepatitis C, Multi-shipper with cold pack Hepatitis A, Multi-shipper with cold pack Blood

	Outreach Test Code	CPT Code	Reference Range
Hepatitis A	HAV	86709	Non-reactive
Hepatitis B surface antigen	HBSG	87340, 87341	Non-reactive
Hepatitis B surface antibody	HBSB	86706	Non-reactive
Hepatitis B core antibody	HBCB	86704	Non-reactive
Hepatitis C	HEPC	Antibody – 86803 Quantification - 87522	Non-reactive

SYPHILIS

Methodology: EIA

- Screening and confirmation tests performed according to DLS established algorithm

Specimen:

- 2 ml Serum or 6ml of whole blood in red-stoppered tube

Kit components ordered as needed:

- Red-stoppered tube
- Electronic OUTREACH form or Lab Form #213 printed from Internet
- Mailing label
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material
- Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack - Multi-shipper with cold pack- outside box, with Styrofoam inside container, 95kPa bag, freezer pack

Collection and Packaging Instructions:

Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper, Multi-Shipper with Cold Pack

	Outreach Test Code	CPT Code	Reference Range
Syphilis	IGGE	Syphilis IgG 86780 VDRL 86593 TP-PA 86780	Non-Reactive Non-reactive Non-reactive

Form 213
Revised 12/2018

This form, when filled in, contains patient information that must be protected in accordance with the Health Insurance Portability & Accountability Act.

KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, Kentucky 40601 Phone: 502/564-4446 Fax: 502/564-7019	 Kentucky Public Health <h2 style="margin: 0;">Serodiagnosis</h2>
Please complete a separate form for each specimen.	
PATIENT INFORMATION:	
Name (Last, First, MI) _____	
Social Security # _____ Sex _____ Race _____ Age _____ Birthdate _____	
Home Address _____	
City _____ State _____ Zip Code _____ County _____	
Send Report To: _____	
Submitter _____	
Street Address (PO BOX) _____	
City _____ State _____ Zip Code _____	
Please Use "L" label or Fill In Completely	
Specimen Information:	
Date of Collection _____	
Specimen Type: <input type="checkbox"/> Serum <input type="checkbox"/> Plasma <input type="checkbox"/> Whole Blood <input type="checkbox"/> CSF	
Purpose of Examination:	
<input type="checkbox"/> Diagnostic <input type="checkbox"/> Pre-Hepatitis vaccine <input type="checkbox"/> Immune Status	
<input type="checkbox"/> Recheck Specimen <input type="checkbox"/> Post-Hepatitis vaccine <input type="checkbox"/> Prenatal _____ weeks pregnant	
<input type="checkbox"/> Treatment follow-up <input type="checkbox"/> Needlestick Injury <input type="checkbox"/> Other, specify _____	
Routine Examination Requested	
<input type="checkbox"/> Rubella IgG	Hepatitis B <input type="checkbox"/> HBsAg (Surface Antigen) <input type="checkbox"/> anti-HBs (Antibody to HBsAg) <input type="checkbox"/> anti-HBc (Antibody to HB Core Antigen)
<input type="checkbox"/> Syphilis testing	Special Examinations <input type="checkbox"/> Other Serology, Specify _____
<input type="checkbox"/> Hepatitis A	
<input type="checkbox"/> Hepatitis C	
Previously Tested? _____ When? _____	
Patient an IDU? _____	
Patient a MSM? _____	
Date of Specimen Refrigeration: _____	
Laboratory Findings	

CHLAMYDIA TRACHOMATIS & NEISSERIA GONORRHOEAE

Specimen:

- Endocervical, Vaginal, Male Urethral, Rectal Swab, Pharyngeal
- Urine

Kit components ordered as needed:

- Source: Endocervical, Male Urethral, Rectal, and Pharyngeal Swabs use Aptima Unisex Kit
- Source: Vaginal use Aptima Multitest Swab Kit
- Source: Urine use Aptima Urine Kit
- Electronic OUTREACH form or Lab Form #194 printed from Internet
- Mailing label
- Multi-shipper container with medium canister, bubble wrap, tube shuttle absorbent material

Patient Preparation:

- Urine and Male Urethral Specimens – Patient should not have urinated for at least 1 hour prior to specimen collection.

Collection and Packaging Instructions:

- Unisex Swab Specimens must be assayed with the Aptima assays within 60 days of collection
- Processed urine specimens should be assayed with the Aptima assay within 30 days of collection.
- Urine must be transferred to the urine transport tube within 24hrs of collection.

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Multi-shipper

	Outreach Test Code	CPT Code	Reference Range
Chlamydia/ gonorrhea	CTGC	87491	Negative

KY Division of Laboratory Services



Form 194
Revised 9/2018

"This form, when filled in, contains patient information that must be protected in accordance with the Health Insurance Portability & Accountability Act."

<p style="text-align: center;"> KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, Kentucky 40601 Phone: 502/564-4446 Fax: 502/564-7019 </p>	 CHLAMYDIA TRACHOMATIS and NEISSERIA GONORRHOEAE															
PATIENT INFORMATION:																
Name (Last, First, MI) _____ (Codes defined on second page) Social Security # _____ Sex _____ Age _____ DOB _____ Race/Ethnicity (circle one) 1 2 4 5 6 7	Please use "L" label or fill in completely															
Home Address _____																
City _____ State _____ Zip Code _____ County _____																
Send Report To:																
Health Department _____ Street Address (PO BOX) _____ City _____ State _____ Zip Code _____																
Reason For Testing: Did the patient present with Chlamydia/GC symptoms? <input type="checkbox"/> Yes <input type="checkbox"/> No Is the patient pregnant? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Mark one: <input type="checkbox"/> Volunteer/Medical Problem <input type="checkbox"/> Sex Partner Referral <input type="checkbox"/> Initial (Fam. Plan.) Visit <input type="checkbox"/> Other, please specify _____ <input type="checkbox"/> Revisit/Annual (Fam. Plan.) <input type="checkbox"/> Unknown/Undetermined _____ <input type="checkbox"/> Prenatal Visit <input type="checkbox"/> Cancer																
Specimen Information: Source (mark one): <input type="checkbox"/> Cervical <input type="checkbox"/> Urine <input type="checkbox"/> Urethral <input type="checkbox"/> Other, specify _____ Date of Collection _____ (dd-mmm-yy) Kit Exp. Date _____ (dd-mmm-yy)																
~~~~~For Laboratory Use Only~~~~~																
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><b>Chlamydia trachomatis</b></td> <td style="width: 33%; border: none;"><b>Neisseria gonorrhoeae</b></td> <td style="width: 33%; border: none;"><b>Unsatisfactory</b></td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Negative</td> <td style="border: none;"><input type="checkbox"/> Negative</td> <td style="border: none;"><input type="checkbox"/> No Specimen Received</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Positive</td> <td style="border: none;"><input type="checkbox"/> Positive</td> <td style="border: none;"><input type="checkbox"/> Improper Swabs</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Equivocal (submit another specimen)</td> <td style="border: none;"><input type="checkbox"/> Equivocal (submit another specimen)</td> <td style="border: none;"><input type="checkbox"/> Transport Media Expired</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"><input type="checkbox"/> Other _____</td> </tr> </table>		<b>Chlamydia trachomatis</b>	<b>Neisseria gonorrhoeae</b>	<b>Unsatisfactory</b>	<input type="checkbox"/> Negative	<input type="checkbox"/> Negative	<input type="checkbox"/> No Specimen Received	<input type="checkbox"/> Positive	<input type="checkbox"/> Positive	<input type="checkbox"/> Improper Swabs	<input type="checkbox"/> Equivocal (submit another specimen)	<input type="checkbox"/> Equivocal (submit another specimen)	<input type="checkbox"/> Transport Media Expired			<input type="checkbox"/> Other _____
<b>Chlamydia trachomatis</b>	<b>Neisseria gonorrhoeae</b>	<b>Unsatisfactory</b>														
<input type="checkbox"/> Negative	<input type="checkbox"/> Negative	<input type="checkbox"/> No Specimen Received														
<input type="checkbox"/> Positive	<input type="checkbox"/> Positive	<input type="checkbox"/> Improper Swabs														
<input type="checkbox"/> Equivocal (submit another specimen)	<input type="checkbox"/> Equivocal (submit another specimen)	<input type="checkbox"/> Transport Media Expired														
		<input type="checkbox"/> Other _____														
Date and Time Received: _____ Laboratory Number: _____																
Date Reported: _____	Technologist: _____															

## MICROBIOLOGY

### BACTERIOLOGY

#### Tests for the following are performed under Bacteriology:

Bacillus cereus  
 Campylobacter  
 Carbapenems Resistant Organisms (CRO)  
 E. coli (Shigatoxin or O157 suspect)  
 Salmonella  
 Shigella  
 Miscellaneous Bacteria Identification (i.e. Bacillus cereus, Listeria)  
 Vibrio  
 Biothreat agents – Bacillus anthracis, Yersinia pestis, Brucella spp. Francisella tularensis, Burkholderia, Orthopox virus  
 Botulism

#### Specimen:

- Stool specimen in placed in Cary Blair w/Indicator within 2 hours of collection.
- Pure culture isolate. Agar slant: Heart infusion, trypticase soy, blood or chocolate
- Botulism – Serum (at least 10ml), Feces (10 to 50g), Enema (20ml)
- Orthopox virus – Dry swab, vesicle fluid, skin, or crust

#### Methodology: Isolation, Identification, Antigenic typing

#### Collection Kit (Enteric pathogens) Furnished by State Lab Contains:

- Cary Blair w/Indicator preservative
- Electronic OUTREACH form or Lab Form #219 printed from Internet – Bacteriology
- Inmark Category B complete shipper

#### Notes:

- Stool-Mail immediately after collection; to be received within 24 hours.
- Provide fresh grown on slants and mail immediately at room temperature.
- CRO- Organism identification and AST results must be supplied with isolate.
- Botulism by request and approval of Epidemiology.
- Orthopox assay does not differentiate vaccinia virus or monkeypox virus from other Orthopox viruses detected by this assay. Does not detect Variola virus.
- Refer to Sentinel Guidelines at <https://asm.org/Articles/Policy/Laboratory-Response-Network-LRN-Sentinel-Level-C>

## Collection and Packaging Instructions:

Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Enteric Collection and Packaging Guidelines, Food Kit

	Outreach Test Code	CPT Code	Reference Range
Salmonella	SGT	Stool – 87045 ID and Typing - 87147	NA
Shigella	SHGR	Stool – 87045 ID and Typing - 87147	NA
Campylobacter	CAMP	Stool – 87046	NA
E. coli	ECO	Stool – 87045 ID and Typing - 87147	NA
Carbapenem Resistant	CRO	81750	No carbapenemase production detected
Miscellaneous Bacteria	MC		NA
Botulism	MEP	87158, 87076	Mouse Bioassay: No C. botulinum toxin detected by mouse bioassay Culture: No C. botulinum isolated
<b>Sentinel Rule Out's</b>			
Bacillus anthracis	MC	87081-Identification 87135 - PCR	PCR - No B. anthracis DNA detected by real-time Identification of organism submitted
Brucella	MC	87040-Identification 87153- PCR	PCR-No Brucella spp. DNA detected by real-time PCR." Identification of organism submitted
Burkholderia	MC	87081-Identification 87153- PCR	PCR- No Burkholderia mallei or Burkholderia pseudomallei DNA detected Identification of organism submitted
Francisella tularensis	MC	87040-Identification 87153- PCR	PCR-"No Francisella tularensis DNA detected by real-time PCR." Identification of organism submitted
Orthopox Virus	MVPCR	81753	PCR - No Orthopoxvirus DNA detected by real time PCR
Yersinia pestis	MC	87070-Identification 87153- PCR	PCR - No Y. pestis DNA detected by real-time PCR Identification of organism submitted

# KY Division of Laboratory Services



Form 219  
Revised 9/2018

"This form, when filled in, contains patient information that must be protected in accordance with the Health Insurance Portability & Accountability Act."

KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, Kentucky 40601 Phone: 502/564-4446 Fax: 502/564-7019	 <b>Special Microbiology</b>
Please complete a separate form for each specimen.	
<b>PATIENT INFORMATION:</b>	
Name (Last, First, MI) _____	
Social Security # _____	Sex _____ Race _____ Age _____ DOB _____
Home Address _____	
City _____	State _____ Zip Code _____ County _____
<b>Send Report To:</b>	
Submitter _____	
Street Address (PO BOX) _____	
City _____	State _____ Zip Code _____
<b>Specimen Information:</b>	
Purpose of Exam _____	<input type="checkbox"/> Clinical Specimen
Specimen Source _____	<input type="checkbox"/> Referred Culture
Date of Collection _____	Bloody Diarrhea <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Examination Requested: (Please mark one)</b>	
<input type="checkbox"/> Enteric Pathogens	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Organism Suspected:</div>
<input type="checkbox"/> *Miscellaneous Bacterial Culture	
<input type="checkbox"/> Other _____	
Other pertinent Medical Data: *Please complete this section when submitting Miscellaneous Bacterial Cultures	
<b>FOR LABORATORY USE ONLY:</b>	
Date Received:	Laboratory Number:

Please Use "L" Label or Fill in Completely

## MYCOBACTERIOLOGY (TB)

### Specimen:

- Clinical Samples- Sputum, bronchial wash, bronchial alveolar lavage (BAL), fresh tissue, spinal fluid, pleural fluid, pus, urine, other body fluids. (No stool)
- Clinical Isolates- Referred isolates for identification and drug susceptibility studies

### Methodology:

- Direct Acid Fast Bacilli smear and culture
- Culture identification by DNA Probe, MALDI-TOF MS, or genetic sequencing
- PCR from concentrate from clinical specimens
- Drug susceptibility studies on MTB isolates only.

### Specimen Requirements:

- Clinical Samples: Collect in sterile container. Preferred minimum volume is 2ml and optimally 5ml.
- Clinical Isolates: Pure isolates of acid-fast bacilli on solid or liquid media.

### Collection Kit (TB sputum) Furnished by State Lab Contains:

- Conical plastic vial with lid must be 95kPa certified
- Electronic OUTREACH form or Lab Form #207 printed from Internet
- Small Therapak box with SpeciGuard bag/absorbent. USPS – Prepaid label

If shipping by FedEx, please use the UN3373 Pak.

Note: Cultures from hospitals are sent using submitter packaging or Inmark UN3373 box.

### Collection and Packaging Instructions:

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Method for Sputum Collection

Clinical Samples- mail immediately after collection; to be received within 24 hours; cold packs preferred-room temperature acceptable.

Clinical Isolates- Provide fresh growth on media; ship immediately at room temperature; avoid extreme temperatures.

**Patient Preparation:**

- Submit 3 specimens (preferably over 3-5 days), but as quickly as over 24 hours (not optimal)
- Early morning sputa (at least 5ml) are optimal (at least 1 specimen out of 3 must be early morning)
- Sputa, suctioned sputa, saline-induced sputa, and invasively obtained specimens (BAL, bronchial washes and tissues) from other times are also permitted

**Unacceptable Conditions:** Volumes less than 2ml of sputum will have a disclaimer

**Notes:**

**PCR Testing-** Smear positive specimens should be sent for PCR if no prior diagnosis of TB infection has been made. Testing of smear negative specimens requires prior approval and consultation with the TB program (502-564-4276)

**Outreach:** Do not create “new” order on existing patients in the Outreach system. Search for the patient and add order so the entire TB history on the patient remains together. It is important to indicate in the ask it at order questions what TB drugs and when TB drugs were administered to the patient.

Do not cover media growth with patient labels. Place label on bottom portion or right below cap so growth on slant can be viewed through tube

	Outreach Test Code	CPT Code	Reference Range
Clinical Samples	SCP	87015	No acid-fast bacilli
Clinical Isolates	TBCP	87116 87149- Nucleic Acid Probe	No acid-fast bacilli

Form 207  
 Revised 12/2020

"This form, when filled in, contains patient information that must be protected in accordance with the Health Insurance Portability & Accountability Act."

KY Division of Laboratory Services 100 Sower Blvd. Suite 204 Frankfort, Kentucky 40601 Phone: (502)564-4446 Fax: (502)564-7019	 Kentucky Public Health <hr style="width: 50%; margin: 0 auto;"/> <h2 style="margin: 0;">Mycobacteriology</h2>
Please complete a separate form for each specimen.	
<b>PATIENT INFORMATION:</b>	
Name (Last, First, MI) _____	
Social Security # _____	Sex _____ Race _____ Age _____ DOB _____
Home Address _____	
City _____	State _____ Zip Code _____ County _____
<b>Send Report To:</b>	
Submitter _____	
Street Address (PO BOX) _____	
City _____	State _____ Zip Code _____
Requesting Physician (if other than submitter) _____	
<b>Specimen Information:</b>	
Date of Collection _____	
<input type="checkbox"/> Clinical Specimen <input type="checkbox"/> Sputum <input type="checkbox"/> Bronchial Washing <input type="checkbox"/> Gastric fluid <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Other, please specify _____	<input type="checkbox"/> Referred Specimen (Culture) Source: _____  Hospital or Laboratory reference number (if applicable _____)
Is the patient on anti-tuberculosis drugs? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Laboratory Findings:</b>	
<b>Laboratory Number:</b>	

**Please Use "L" Label or Fill in Completely**

## Newborn Screening

**Tests for the following are performed in the newborn screening laboratory:**

- Acylcarnitines disorders
- Amino Acid Disorders
- Biotinidase
- Congenital Adrenal Hyperplasia
- Congenital Hypothyroidism (CH) [both T4 and TSH tests are performed]
- Cystic Fibrosis
- Galactosemia
- Hemoglobinopathies
- Severe Combined Immunodeficiency (SCID)
- Various Lysosomal Disorders (Krabbe, Pompe, MPS-1)

Refer to 902 KAR 4:030. Newborn screening program for a listing of all disorders

### Specimen:

- Testing is only for infants < 6 months of age
- Whole capillary blood applied to the current lot number filter paper in the manner as described on the back of the Newborn Screening Filter Paper Collection Card. Ensure no preservatives or Heparin contamination.
- Unacceptable Conditions - Specimens with layered blood spots, clotted, separated, or inadequate blood

### Collection Kit (Newborn screening) Furnished by State Lab Contains:

- Newborn Screening Filter Paper Collection Card
- Green mailing envelope
- FedEx Billable Stamp – Only when state courier is unavailable
- May be obtained by calling 502-782-7734
- Collection Instructions
  - <https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>  
Newborn Screening Collection

**MUST be current lot# of form and filter paper. Specimens collected after that date will be rejected or processed as per instruction from Director or designee.**

### Cost:

- A charge of \$150.00 will be billed for those submitting an initial newborn screen. No charge will be billed for repeat specimens.

	Outreach Test Code	HCPCS Code	Reference Range
Newborn Screening	None – Order through KY Child	S3620	See individual disorder

**A. NEWBORN SCREENING INDIVIDUAL TESTS**

DISORDER	METHODOLOGY	REFERENCE RANGE	INDIVIDUAL CPT CODE
ACYLCARNITINES  Includes:	MS/MS	Within Profile Range	82016
	<p>FATTY ACID DISORDERS: Carnitine uptake defect, Long-chain -3hydroxyacyl-CoA dehydrogenase deficiency (LCHAD), Medium-chain acyl-CoA dehydrogenase deficiency (MCAD), Short-chain acyl-CoA dehydrogenase deficiency (SCAD), Trifunctional protein deficiency, Very long-chain acyl-CoA dehydrogenase deficiency (VLCAD), Carnitine acylcarnitine translocase deficiency, Carnitine palmitoyl transferase deficiency, Glutaric academia type II</p> <p>ORGANIC ACID DISORDERS:3-methylcrotonyl CoA-Carboxylase Deficiency, Beta-ketothiolase, Glutaric acidemia type 1, Isovaleric acidemia, 3-hydroxy 3-methylglutaric aciduria, Methylmalonic acidemia, Methylmalonic acidemia mutase deficiency, Propionic Acidemia, Multiple carboxylase deficiency, 2-Methyl-3-Hydroxybutyric aciduria, 3-Methylglutaconic aciduria, Isobutryl-CoA dehydrogenase deficiency, Malonic academia, Ethylmalonic encephalopathy, 2-Methylbutyryl-CoA dehydrogenase deficiency</p>		
AMINO ACID DISORDERS  Includes:	MS/MS	Within Profile Range	82139
	<p>Argininosuccinate Acidemia, Citrullinemia, Homocystinuria, Maple Syrup Urine Disease, Phenylketonuria, Tyrosinemia, Argininemia, Hyperphenylalaninemia, Hypermethioninemia, Nonketotic Hyperglycinemia</p>		
BIOTINIDASE DEFICIENCY	FIA	>45U/dL	82261
CONGENITAL ADRENAL HYPERPLASIA (CAH)	FIA	Weight Based	83498
CONGENITAL HYPOTHYROIDISM	FIA	TSH: <20 µU/mL T4: Age based	84437, 84443
CYSTIC FIBROSIS	FIA	<58.0 ng/mL	83516
GALACTOSEMIA	Beutler-Baluda (adaptation)	>2.5U/dL	82776
HEMOGLOBINOPATHIES	HPLC	F + A	83021
PEROXISOMAL STORAGE DISORDERS  Includes:	FIA, MS/MS	Within Normal Limits	NA
	<p>X-Linked adrenoleukodystrophy disorders (X-ALD))</p>		
SEVERE COMBINED IMMUNODIFICIENCY (SCID)	PCR	Within Normal Limits	81479
SPINAL MUSCULAR ATROPHY (SMA)	PCR	Within Normal Limits	81400
VARIOUS LYSOSOMAL DISORDERS (POMPE, MPS-1, KRABBE)	MS/MS	Full Enzyme Activity	82542,83789

**THE NEWBORN SCREENING FILTER PAPER COLLECTION CARD, REQUIRES STORAGE IN A COOL, DRY PLACE. DO NOT STORE IN PLASTIC BAGS.**

FRONT

KY EXPANDED NEWBORN SCREENING PROGRAM Cabinet for Health & Family Services – Laboratory Services 100 Sower Blvd., Suite 204 Frankfort, KY 40601 Tel. # (502) 564-4446 ext. 4433 Fax # (502) 564-2905 or 2413		KY STATE LAB USE ONLY	
<b>MOTHER'S INFORMATION</b> First Name _____ Last Name _____ Social Security Number _____ County of Residence _____ Street Address (PO Box) _____ City _____ State _____ Zip _____ Mother's Phone Number _____ Alternate Phone Number _____ Mother's Email Address _____		<b>CHILD'S INFORMATION</b> First Name _____ Last Name _____ DOB: / / Time: (Military) <input type="checkbox"/> Male <input type="checkbox"/> Female Race _____ <input type="checkbox"/> Single Birth <input type="checkbox"/> Multiple Birth (A, B, C, etc.) Birth Weight _____ Current Weight _____ <input type="checkbox"/> Antibiotics <input type="checkbox"/> Meconium ileus <input type="checkbox"/> Transfused - Last Date: / / <input type="checkbox"/> TPN <input type="checkbox"/> Breast <input type="checkbox"/> Bottle Date of First Feeding: / / Medical Record Number _____ <input type="checkbox"/> Baby still in NICU <input type="checkbox"/> Home Birth _____	
<b>SUBMITTER INFORMATION</b> Submitter's ID _____ Phone # _____ Facility Name _____ Address _____ City _____ State _____ Zip Code _____		<b>SPECIMEN COLLECTION</b> Collection Facility: <input type="checkbox"/> Hospital <input type="checkbox"/> Dr.'s Office <input type="checkbox"/> Midwife <input type="checkbox"/> Health Dept. <input type="checkbox"/> Other _____ Specimen Type: <input type="checkbox"/> Initial Screen <input type="checkbox"/> Repeat Screen Was Previous Specimen Unsatisfactory or Sub-optimal? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Collected: / / Time: (Military) _____ Comments: _____ Collector: _____	
<b>PHYSICIAN INFORMATION</b> License # _____ Phone # _____ Name _____ Street Address (PO Box) _____ City _____ State _____ Zip Code _____		AFXX MEDICAL LABEL(S) HERE INFORMATION MUST BE PROTECTED ACCORDING TO HIPAA GUIDELINES	

SEE DIRECTIONS ON BACK. PLEASE PRINT CLEARLY OR USE PREPRINTED LABELS.

GOOD THROUGH 2022-03-31 LOT 7140119/W171

SN 19222662

BACK

KY EXPANDED NEWBORN SCREENING PROGRAM  
DEPT FOR PUBLIC HEALTH/LABORATORY SERVICES  
100 SOWER BLVD, SUITE 204  
FRANKFORT, KY 40602  
Tel.# (502) 564-4446

- Obtain a specimen from each infant between 24-48 hours of age, but before the infant leaves the hospital. Repeat screening is required for infants who receive transfusions. Specific requirements for repeat screening are included in 902 KAR 4:030.
- It is recommended that specimens be collected prior to blood transfusion. The hemoglobinopathy test will be valid at this time.
- All infants tested before 24 hours of life MUST be retested prior to reaching 48 hours of age for all tests.

INSTRUCTIONS FOR SPECIMEN COLLECTION

- DO NOT DETACH FILTER PAPER FROM FORM. DO NOT ALTER FORM.
- Cleanse the skin with an alcohol swab. Wipe off excess alcohol with dry sterile gauze.
- Puncture heel with sterile disposable lancet. Wipe away the first drop of blood with sterile gauze.
- Gently touch the filter paper against a large drop of blood. Blood drop should be large enough to soak through and fill circle in ONE STEP. NEVER APPLY A NEW BLOOD DROP OVER A PREVIOUSLY APPLIED BLOOD DROP. ALWAYS APPLY BLOOD TO ONE SIDE ONLY.
- Do not allow blood or filter paper to be contaminated with preservative (i.e. EDTA, Heparin).
- Allow blood specimens to AIR DRY THOROUGHLY, on level non-absorbent open surface, such as plastic-coated test tube rack for at least 3 hours. Specimens should be dried HORIZONTALLY. DO NOT HEAT, STACK, OR ALLOW BLOOD SPOTS TO TOUCH OTHER SURFACES DURING DRYING.
- Fold over flap AFTER specimen is dry.
- Use envelope large enough to accommodate without folding.
- SPECIMENS MUST BE MAILED WITHIN 24 HOURS OF COLLECTION.
- IT IS IMPERATIVE THAT ALL INFORMATION BE THOROUGHLY COMPLETED FOR ALL SPECIMENS SUBMITTED FOR TESTING.

GOOD THROUGH 2022-03-31

Eastern Business Forms  
339 Old Sutherland Springs Rd  
Greenville, SC 29607, USA

IVD

## Environmental Microbiology

### MICROBIOLOGY

#### Qualifying Specimens:

- Consumer complaint of illness suspected from a food product
- Consumer complaint of visible contamination in a food product
- Consumer complaint of Chemical contamination in a food product
- Foodborne illness outbreak – by request of Epidemiology or Food Safety Branch
- Routine surveillance of a food manufacturing facility or process
- Regulatory check of a manufacturing process or facility

#### Specimen:

- 100 grams of food (25-50 grams of food per requested food pathogen testing)

#### Mailing:

- Food collection kits are mailed in a plain standard cardboard box (12x8x6)

#### Collection Kit Furnished by:

- **Kentucky State Public Health Lab (DLS) (502)564-4446**

#### Collection and Packaging Instructions:

Specimen should be stored at 2-8°C prior to shipping. Ship ASAP. If possible, ship on cold pack

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Food Kit

Call laboratory before sending specimens.

Lab form 504 (Rev. 08/2019)

**Sample Collection Data and Analysis Report**  
 Kentucky Cabinet for Health and Family Services, Department for Public Health  
 Division of Laboratory Services  
 100 Sower Blvd. Suite 204  
 Frankfort, Kentucky 40601  
 Phone: (502)564-4446 Fax: (502)564-7019

  
 Kentucky Public Health  
Ensuring a Healthier Future

*Please complete a separate form for each sample submitted.*

Sample No.:	Date Collected:	Time:	Cost of Sample:
Collector/ Health Dept.: <small>(Name and Title)</small>	Sample Procured From: <small>(Signature)</small>		Establishment Number:
Reason for Collection: <small>(Regulatory, Outbreak, Complaint)</small>		Amount In Lot before Sampling:	
Description of Sample (Code No. if any), & Method of Collection:			
Mall Report To:	Address:	Zip:	
Collector Remarks: <small>(Note if submitted by someone other than the collector)</small>			
Collector Signature:		Submitter Signature <small>(when applicable):</small>	
Requested Laboratory Analysis: <input type="checkbox"/> Bacteriological <input type="checkbox"/> Chemical <input type="checkbox"/> Other <input type="checkbox"/> Aerobic Plate Count <input type="checkbox"/> Staph aureus <input type="checkbox"/> Count <input type="checkbox"/> Toxin <input type="checkbox"/> Salmonella species <input type="checkbox"/> Pesticide Residue <input type="checkbox"/> Coliform Count <input type="checkbox"/> Bacillus cereus <input type="checkbox"/> Count <input type="checkbox"/> Toxin <input type="checkbox"/> Shigella species <input type="checkbox"/> Trace Metals (Water) <input type="checkbox"/> Enterobacteriaceae Count <input type="checkbox"/> Clostridium perfringens Count <input type="checkbox"/> E. coli O157: H7    Specify Metal(s): <input type="checkbox"/> E. coli Count <input type="checkbox"/> Campylobacter species <input type="checkbox"/> Non- O157 STEC <input type="checkbox"/> Other (Describe) <input type="checkbox"/> Mold & Yeast Count <input type="checkbox"/> Listeria species    Specify:			
Chain of Custody			
<b>DATE/ TIME</b>	<b>RELEASED BY</b> <small>(Collector/Submitter)</small>	<b>RECEIVED BY</b> <small>(Lab staff, unless otherwise indicated)</small>	<b>PURPOSE OF CHANGE</b> <small>(Lab use, unless otherwise indicated)</small>
	Signature	Signature	<input type="checkbox"/> Transport
	Print Name	Print Name	<input type="checkbox"/> Storage (unit #) _____
	Signature	Signature	<input type="checkbox"/> Testing
	Print Name	Print Name	
Lab Accession # _____			
State Seal Attached? <input type="checkbox"/> Intact <input type="checkbox"/> Broken <input type="checkbox"/> None    Sample and Package Condition: <input type="checkbox"/> Good <input type="checkbox"/> Other _____			
Sample Received: <input type="checkbox"/> Refrigerated <input type="checkbox"/> Frozen <input type="checkbox"/> Other (Describe) _____ Received Temperature: _____			
Report of Laboratory Analysis: Comments:			
Date Started	Date Completed	Date Reported	Signature of Analyst: <div style="text-align: right;">Laboratory Services</div>
<input type="checkbox"/> No Further Regulatory Action is indicated on this sample			
Analysis indicates sample is in violation of the following law and/or regulations based thereon. (Check appropriate one): <input type="checkbox"/> KRS 217.801 Lead Based Paint Law, <input type="checkbox"/> KRS 217.005 to 217.215 KY Food, Drug, & Cosmetic Act, <input type="checkbox"/> KRS 217.850 to 217.710 KY Hazardous Substances Labeling Act, <input type="checkbox"/> KRS 217C KY Milk and Milk Products Act, <input type="checkbox"/> KRS 152.105 to 152.190 Regulates Use and Control of Radiation.			
Sample Considered: <input type="checkbox"/> Adulterated <input type="checkbox"/> Misbranded <input type="checkbox"/> Other Further Regulatory Action: <input type="checkbox"/> Resample <input type="checkbox"/> Reinspect <input type="checkbox"/> Official Action <input type="checkbox"/> Other			
Signature _____ Title _____ Agency _____ Date _____			

Note: For bacteriological water analyses, all samples must be collected and submitted by authorized collectors. Samples not requiring chain of custody precautions must arrive in the laboratory within 30hrs of collection and are to be kept at <8°C during transport. Use FedEx label provided. Recommend sample collection on Monday, Tuesday, or Wednesday and mail the same day. Samples requiring chain of custody precautions must arrive in the laboratory (DLS or another certified laboratory) within 6hrs of collection and are to be kept at <8°C during transport.

If you have any questions about submission of water samples, contact DLS at 502-564-4446.

## WATER BACTERIOLOGY ANALYSIS

### Qualifying Water Sources:

#### E.coli and Total Coliforms

- Private drinking water; wells, cisterns, springs
- Public Swimming Beaches
- Public Swimming Pools
- Dairy Water

#### Legionella

- Private drinking water; wells, cisterns, springs
- Recreational water
- Commercial water

#### Methodology:

- E. coli and Total Coliforms - LTB/BGGB(SM9921D), Colilert(SM9223B)
- Legionella – Legiolert and culture

#### Specimen:

- 1 (100 ml) bottle (provided in the kit and filled just over the 100ml fill line with headspace)

#### Mailing Label:

- FedEx label

## Collection Kit Furnished by:

**Kentucky State Public Health Lab (DLS) (502)564-4446**

- Idexx Bottle in zip bag with absorbent
- Refrigerated Cooler
- FedEx Label

## Collection and Packaging Instructions:

<https://chfs.ky.gov/agencies/dph/dls/Pages/default.aspx>

Water Collection

	Outreach Test Code	CPT Code	Reference Range
Water Bacteriology	WATERB	NA	Acceptable limits for drinking water: <1 per 100ml (none detected)  Acceptable limits for recreation water <ul style="list-style-type: none"> <li>• Total Coliform limit not established for beach water</li> <li>• E. coli content shall not exceed 130 colonies per 100ml as a geometric mean based on not less than 5 samples taken during a 30-day period.</li> </ul> Acceptable limits for Dairy water: Presence of total coliforms is unacceptable in dairy or food manufacturing source/processing water.
Legionella	WLEG	NA	<1 per 100ml (none detected)

REV. 9/2018

<p><b>KY Division of Laboratory Services</b>                  100 Sower Blvd. Suite 204                  Frankfort, Kentucky 40601                  Phone: 502/ 564-4446 Fax: 502/ 564-7019</p>	 <p><b>KentuckyPublicHealth</b> <small>Prevent. Promote. Protect.</small></p> <p><b>Water Bacteriology Analysis Report</b></p>		
<p><i>(Please complete a separate form for each sample.)</i></p>			
<p>Authorized Collector: _____                  Collectors Phone #: _____ Sanitarian Number: _____                  Collection Date: _____ Collection Time: _____                  Occupant or Owner: _____                  Request Identifying No: _____ Site No.: _____                  Sample No.: _____ Sample Seq. No: _____                  County: _____                  Submitter (Use LHN Site#): _____</p>			
<p><input type="checkbox"/> Drinking Water    <input type="checkbox"/> Recreational Waters    <input type="checkbox"/> Spas/Therapeutic Pools</p>			
<p><input type="checkbox"/> Check here if accompanied by Chain-of-custody form</p>			
<p>Collector's Remarks:</p>			
<p>Laboratory Findings:</p>			
Date & Time Received	Laboratory Number	Date & Time Reported	Technologist

## Environmental Chemistry

### Dental Fluoride (Supplement Program)

#### Patients Qualifying:

- The program targets preschool children without a source of optimally fluoridated water. Older children could receive the supplements in certain instances.

#### Methodology:

- FIA by Lachet Quickchem

#### Specimen:

- Sample of water supply

#### Collection Kit Furnished by:

- Dental Program (502)564-3246 ext. 4421

#### Collection kit contains:

- Mailing Container
- Request Form # 505c
- Mailing label # 505b
- Instructions

	Outreach Test Code	CPT Code	Reference Range
Dental Fluoride	FL	NA	0.8-1.4 PPM Kentucky's optimal fluoride concentration is: 0.90PPM

Lab 505C  
Rev. 9/2018

<p style="text-align: center;">Kentucky Public Health Laboratory 100 Sower Blvd., North Loading Dock, P.O. Box 2020 Frankfort, Kentucky 40602-2020 Phone: 502/564-4446 Fax: 502/564-7019</p> <p style="text-align: center; font-size: small;">(Please complete a separate form for each water supply.)</p>	 <p style="font-size: small;">Kentucky Public Health Protect. Promote. Prevent.</p> <h2 style="margin: 0;">Fluoride Test For Supplement Program</h2>		
<p><b>Name of Child(ren):</b> _____ <b>Sex:</b> _____ <b>DOB:</b> _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Home Address _____</p> <p>City _____ State _____ Zip Code _____</p>			
<p><b>Name of Parent or Guardian:</b></p> <p>_____</p>			
<p><b>Send Report To:</b></p> <p>Office/Clinic _____</p> <p>Street Address (P.O. Box) _____</p> <p>City _____ State _____ Zip Code _____</p> <p>County _____ Phone Number (_____) _____</p>			
<p><b>Specimen Information:</b></p> <p>Water Supply: <input type="checkbox"/> Well <input type="checkbox"/> Cistem <input type="checkbox"/> City <input type="checkbox"/> Bottled Water</p> <p style="margin-left: 40px;"><input type="checkbox"/> Other, specify _____</p>			
<p><b>Laboratory Findings:</b></p> <p style="text-align: center; margin-top: 20px;">____ . ____ (parts/million) µg/mL</p>			
Date Received:	Laboratory Number:	Date Reported:	Technologist:

## Food Chemistry

### Methodology:

- Pesticides- GC-MS MS, GC-MS
- Mercury- Mercury Analyzer
- TOX-1 – GC-MS

### Specimen:

- Pesticides- Fruits and Vegetables screening and quantitation
- Mercury- Fish
- Toxin, Drugs, Pesticides- Meat Screening
- Organochlorine – Raw Milk Screening

### Collection Kit Furnished by:

- Contact the Division of Laboratory Services

Ship immediately after collection. Perishable foods shipped with cold packs.

## OSHA

### Methodology:

- Chemical and physical analysis
- GC-FID
- Electrobalance

### Specimen:

- Air samples
- Solvents
- Dust
- Metals
- Lead in wipes, soil, and paint

### Collection Kit Furnished by:

- Request specific media from DLS Environmental Chemistry (502)782-7713