

Biothreat Response Laboratory Testing

Test	Approved Sample Type(s)	Days Performed	TAT (Days)
<i>Bacillus anthracis</i> Detection/ID	Clinical (human/animal): pure culture isolate, vesicular fluid or swab, stool, blood culture, sputum, CSF, post-mortem tissue, whole blood (EDTA)	24/7	<1 Prelim 7 Final
<i>Brucella</i> antibody	Serum	MTWTh	2
<i>Brucella</i> species Detection/ID	Clinical (human): pure culture isolate, blood culture, body fluid(joint, CSF, bone marrow, abscess fluid, etc.), spleen and/or liver abscess Clinical (animal): pure culture isolate, blood, tissues, supramammary lymph nodes, uterus, ovaries, mandibular lymph nodes, kidney, liver, bladder	24/7	<1 Prelim 7 Final
<i>Burkholderia mallei</i> and <i>Burkholderia pseudomallei</i> Detection/ID	Clinical (human): pure culture isolate, bone marrow, blood culture, sputum, bronchoscopically obtained specimens, tissue (biopsies), abscess aspirates, wound swabs, urine	24/7	<1 Prelim 7 Final
<i>Clostridium botulinum</i> culture & toxin	Clinical: stool or colon contents including sterile water enema, serum, gastric contents or vomitus	MTWThF	1 -4 Prelim 14 Final
<i>Coxiella burnetii</i> Detection	Whole Blood (EDTA)	24/7	<1
Ebola/Marburg virus Detection	Whole Blood (EDTA)	24/7	<1
CDC preapproval required	***Special transport requirements. Contact UPHL prior to submission***		
Environmental Multiple Agent Rule-In (includes ricin toxin) Law enforcement and Hazmat prescreening required	Various environmental (swabs, wipes, powders, liquids, materials containing suspicious environmental samples: papers/letters, packages)	24/7	<1 Prelim 7 Final
<i>Francisella tularensis</i> Detection/ID	Clinical (human/animal): pure culture isolate, tissue (biopsy, scraping, swab), lymph node or lesion aspirate, blood culture, bone marrow, bronchial/tracheal wash, pleural fluid, sputum, autopsy/necropsy specimens (abscess material, sections of lymph node, lung, liver, spleen, bone marrow scraping), whole blood (EDTA)	24/7	<1 Prelim 7 Final
Middle East Respiratory Syndrome Coronavirus (MERS-CoV) PCR DHHS approval required	Nasopharyngeal and/or Oropharyngeal swabs, Sputum, Lower respiratory tract aspirates/washes	24/7	<1
Orthopox virus Detection DHHS approval required	Various lesion material (skin or crust from roof of vesicle or pustule, vesicular or pustular fluid on slide or swab, punch biopsy, serum, ocular impression or swabs if conjunctivitis is suspected)	24/7	<1
<i>Rickettsia</i> species PCR	Whole Blood (EDTA)	MTWThF	2
<i>Yersinia pestis</i> Detection/ID	Clinical (human/animal): lymph node/bubo aspirate; lymphoid tissue; tissue biopsy of affected area: lymph node or lung; bronchial or tracheal wash; sputum; blood culture; autopsy/necropsy specimens: abscess material, lymph node, lung, liver, spleen and/or bone marrow scrapings; pure culture isolate; whole blood (EDTA)	24/7	<1

Please contact the Biothreat Response Laboratory at 801-965-2561 with any questions before submitting