

SPECIMEN SUBMISSION GUIDELINES

HIV Diagnostics and Reference Laboratory
US Military HIV Research Program, Walter Reed Army Institute of Research
9100 Brookville Road, BLDG 508, Silver Spring, MD 20910

HIV-1 Phenotype (sent out to Monogram Biosciences) Test Specification

Test Name: HIV-1 Phenotype				
Clinical Significance	Specimen Requirements	Transport/Storage Temperature	Test Approved For	Turn Around Time (After Receipt at HDRL)
<p>To aid clinicians in selection of most effective antiretroviral regimens for patients who are highly resistant to antiretroviral agents due to long-term therapy.</p> <p>Sent out to Monogram BioSciences reference lab.</p>	<p>Minimum of 4 ml non-heparinized plasma from either PPT or EDTA tubes.</p> <p>Centrifuge at room temperature at 1000 – 1200 x g for 10 – 15 minutes within separation times below:</p> <p>PPT Tubes: Centrifuge immediately or within 2 hours of collection. Separate plasma. Aliquot into sterile 2 ml polypropylene screw-cap tubes at 1 ml per tube. Store frozen at -20 to -80°C until shipped.</p> <p>EDTA Plasma: Centrifuge within 4 hours of collection. Separate plasma. Aliquot into sterile 2 ml polypropylene screw cap tubes at 1 ml per tube. Store frozen at -20 to -80°C until shipped.</p> <p><u>Please note:</u> Patients presently on antiretroviral drug therapy should still be on their drug regimen when blood specimen collected.</p>	<p>Frozen</p> <p>Use 2 lbs. of dry ice per day of transport.</p> <p>Recommended: Ship on 6 lbs dry ice in case of shipment delay.</p>	<p>Non FDA approved</p> <p>Used to inform selection of therapeutic regimens for patients failing therapy.</p>	<p>25 business days</p>
<p><u>Please note:</u></p> <ol style="list-style-type: none"> HIV-1 Genotype results should indicate resistance to a majority of antiretroviral drugs. Patient Viral Load must be ≥ 500 copies/ml at time of test. If Viral Load results are not current within the past 30 days, request an HIV-1 Viral Load on the test request form in addition to the HIV-1 Phenotype request. HDRL will not forward specimens for HIV-1 Phenotyping with Viral Loads < 500 copies/ml, or if HIV-1 genotype does not indicate antiretroviral resistance. 				

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