

## HudsonAlpha Clinical Services Lab, LLC • Specimen Requirements & Shipping Instructions

### Specimen Requirements

Label specimens with at least two identifiers; patient name and date of birth are preferred but medical record or study identifier is also acceptable. The corresponding identifiers must be included on the corresponding test requisition form. Unlabeled or improperly labeled specimens will be rejected. The HudsonAlpha Clinical Services Lab does not accept products of whole genome amplification reactions or other amplification reactions. Additional requirements vary by specimen type.

#### Blood Specimens

##### Requirements

- ✓ Collect 2-4ml of whole blood in 1 EDTA (lavender top) tube per patient. For infants, a minimum of 1ml is required.
- ✓ Specimens should be submitted within 48 hours of collection to allow extraction within 2-7 days of collection.

##### Rejection Criteria

- ✓ Specimen is coagulated.
- ✓ Quantity is less than 1ml.
- ✓ Specimen was collected in the wrong tube type.

#### Saliva Specimens

##### Requirements

- ✓ Collect saliva in an FDA-approved Oragene kit following the manufacturer's instructions provided with the kit.
- ✓ Saliva specimens should NOT be submitted for genome sequencing without prior authorization.

##### Rejection Criteria

- ✓ Specimen collected in a kit other than an FDA-approved Oragene.
- ✓ Insufficient specimen collected.

#### DNA Specimens

##### Requirements

- ✓ DNA specimens are only accepted from CLIA-certified laboratories. CLIA License Number (Federal and state, if applicable) is required. Qiagen kits recommended.
- ✓ For DNA quantitated via spectrophotometry: Submit a screw cap tube of at least 5ug of purified DNA at a concentration of at least 60ng/ul with a 260/280 purity ratio of 1.75 – 2.0.
- ✓ For DNA quantitated via fluorometric assay (PicoGreen, Qubit): Submit a screw cap tube of at least 3ug of purified DNA at a concentration of at least 50ng/μl.

##### Rejection Criteria

- ✓ Degraded sample.
- ✓ Insufficient quantity of DNA.
- ✓ Sample not extracted in a CLIA laboratory.

### Shipping Instructions

**\*\*Deliveries are accepted Monday-Friday, 8AM-5PM. Submitter is responsible for all shipping costs.\*\***

- ✓ Ship specimens overnight at room temperature (blood specimens should be in an insulated container).
- ✓ Include corresponding Test Requisition Form with specimens.
- ✓ Submit a complete Hazardous Materials Declaration with the specimens.
- ✓ **If the order has not been submitted to the CSL Portal, notify the laboratory at [submission@clinicallab.org](mailto:submission@clinicallab.org) that a specimen was sent to ensure timely arrival.**

##### **Ship specimens to:**

HudsonAlpha Clinical Services Lab, LLC  
601 Genome Way, Rm 3001  
Huntsville, AL 35806