

SPECIMEN REQUIREMENTS and TURNAROUND TIMES | POSTNATAL TESTING

COLLECTION:

- Refer to the table below for specimen types and associated requirements for each test within our menu.
- Low volume specimens can be submitted; however, testing is most successful when performed on amounts shown below.
- When ordering multiple tests, one specimen is sufficient when amounts and tube type are the same.
- Collection kits are available for most specimen types and are available through our supply portal

TRANSPORT:

- Testing is most successful when performed on specimens received within 24-hours of collection (does not apply to extracted DNA).
- Transport specimens at room temperature; special procedures may be required when transporting during extreme temperatures.

OVERNIGHT STORAGE: If immediate transport is not possible, contact the laboratory and store at room temperature.

| AMOUNT: | | 2-5 ml * | 3-5 ml * | 2 swabs | 70 ng/µg with total yield of 7-10 µg (in TE) | ≥ 5 mm ² |
|--|-----------------------------------|-------------------------------------|-----------|---------------|--|---------------------------|
| CONTAINER: | | sodium heparin tube | EDTA tube | conical tube | microcentrifuge tube | tissue culture media |
| SPECIMEN TYPE: | | blood *newborn minimum: 1 - 3 ml | | buccal mucosa | extracted DNA ◊ | tissue biopsy /skin punch |
| | REPORT TAT | | | | | |
| chromosome analysis | 7 - 14 days 2 - 5 days newborn | ● | | | | ● |
| chromosome breakage [^] - for Fanconi anemia | 7 - 14 days 5 - 7 days newborn | ● | | | | |
| FISH analysis | 7 days 1-3 days newborn* | ● | | ● ◻ | | ● |
| male infertility panel - chromosome analysis and YCMD | 1 - 2 weeks | ● | ● | | | |
| methylation analysis | 1 - 2 weeks 5 - 7 days newborn | | ● | ● | ● | |
| microarray analysis | 1 - 2 weeks | | ● | ● | ● | ● |

[^] When possible, please notify the laboratory in advance of collecting and sending a specimen for this test.

◊ When submitting extracted DNA for genetic testing, nucleic isolation must have occurred in a CLIA-certified laboratory or a laboratory meeting equivalent requirements as determined by the CAP and/or CMS.

◻ FISH testing performed on a buccal mucosa specimen requires collection using a special kit that can be requested by calling the laboratory. Additionally, if a buccal specimen for FISH testing cannot be sent immediately, store refrigerated (4 °C) until shipment.

* Verbal Report

Although reasonable efforts are made to meet published turnaround times, they are subject to assay performance and other external, uncontrollable factors. Additionally, TATs are based on the initiation date of each test. For tiered-testing, this may not be the date that the specimen was received in our laboratory.