



Pediatric Sample Requirements

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MICROARRAY	
<u>Sample Type</u>	<u>Quantity Required</u>
Peripheral Blood	2-3 mL NaHep and 2-3 mL EDTA whole blood Neonates: 1 mL NaHep and 1 mL EDTA whole blood
Buccal Swab	iSWAB™ - DNA Collection Kit (4 swabs)
DNA	5 µg

KARYOTYPE / FISH	
<u>Sample Type</u>	<u>Quantity Required</u>
Peripheral Blood	3-5 mL NaHep whole blood Neonates: 1 mL NaHep whole blood

SEQUENCING PANELS / SINGLE GENE ANALYSIS	
<u>Sample Type</u>	<u>Quantity Required</u>
Peripheral Blood	2-3 mL EDTA whole blood

Sample requirements comments:

- **Multiple tests:** Sample requirements are typically not additive. In most cases, 3 mL whole blood in NaHep and 3 mL whole blood in EDTA should be adequate to perform multiple tests. Please contact Allele Diagnostics with any questions.
- **Neonates:** We recognize that collecting blood samples from neonates can be difficult. If 1 mL or less of whole blood can be collected for microarray analysis, please collect in NaHep as a priority over EDTA. However, if molecular testing such as sequencing is also ordered, EDTA is required. If it is likely that < 1 mL of blood will be obtained, we recommend that the blood be collected in a microtainer tube for optimal ratio of blood to anticoagulant.
- For sample types not listed above, please contact Allele Diagnostics to discuss.

Shipping instructions:

- Prior to sending specimen, label all tubes with patient name and date of birth. Enclose completed Allele Diagnostics Pediatric requisition form(s) as needed for the testing ordered, as well as any previous cytogenetic/molecular reports.
- Specimens should be shipped at room temperature in a leak-proof, rigid container with overnight delivery.