



Pediatric Sample Requirements

Allele Diagnostics
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MICROARRAY		
Sample Type	Quantity Required	Comments
Peripheral Blood	2-3 mL NaHep and 2-3 mL EDTA whole blood Neonates: 1 mL NaHep and 1 mL EDTA whole blood	Sufficient for multiple tests Minimum 0.5 mL blood in NaHep
Cord Blood	2-3 mL NaHep and 2-3 mL EDTA whole blood	MCC testing recommended
Buccal Swab	OCD-100 ORAcollect (2 swabs) or iSWAB™ - DNA Collection Kit (4 swabs)	Secondary specimen may be needed for FISH visualization
DNA	5 µg extracted in a CLIA-certified lab	Recommend Puregene extraction kit
KARYOTYPE		
Peripheral Blood	3-5 mL NaHep whole blood Neonates: 1 mL NaHep whole blood	Minimum 0.5 mL blood
Cord Blood	2-3 mL NaHep whole blood	
SEQUENCING / MOLECULAR		
Peripheral Blood	2-3 mL EDTA whole blood Neonates: 1 mL EDTA whole blood	
Cord Blood	1 mL EDTA whole blood	MCC testing recommended
PARENTAL SAMPLES		
Peripheral Blood	2-3 mL NaHep and 2-3 mL EDTA whole blood	
Buccal Swab	OCD-100 ORAcollect (2 swabs) or iSWAB™ - DNA Collection Kit (4 swabs)	For microarray, MCC, or sequencing only

Additional Comments:

- Sodium heparin (NaHep) = green top tube; EDTA = lavender top tube
- Heel sticks: Not an acceptable specimen type
- Lithium heparin: Sodium heparin preferred, but lithium heparin is acceptable
- For sample types not listed above, please contact Allele Diagnostics to discuss

Shipping Instructions:

- All tubes must be labeled with patient name and date of birth. Enclose completed Allele Diagnostics Pediatric requisition form(s) and any previous cytogenetic/molecular reports.
- Ship at room temperature in a leak-proof, rigid container with overnight delivery.
- If shipping on Friday, mark Saturday delivery on the shipping label.