

**SPECIMEN TYPE AND REQUIREMENTS**

- Patient should be appropriately identified and prepared for sample collection.
- Specimens should be collected in an appropriate sized tube and labeled with the patient name and DOB as minimum identifiers

Specimen Type	Specimen Requirements	Storage	Comments
Whole blood	4-10 mL EDTA (preferred) or ACD 0.5 mL EDTA (neonate)	Room Temp. or 4°C	-
Genomic DNA	Minimum 10 ug in 100 uL low TE (pH 8.0)	Room Temp.	Not accepted for any MLPA-based testing (whole blood only).
Cultured Amniocytes	1-2 T25 flasks	Room Temp.	Keep a backup flask growing.
Chorionic villi	10-25 mg villi	Wet Ice or Room Temp. in media	Keep a backup flask growing. Not accepted for methylation-based testing.
Cord blood	4-10 mL EDTA	Room Temp. or 4°C	-
Bone marrow	4 mL EDTA	Room Temp. or 4°C	Please contact the laboratory regarding feasibility.
Cheek brush	2 sterile brushes	Room Temp.	Please contact the laboratory regarding feasibility.
Cheek swab	2 sterile swabs	Room Temp. or 4°C	Please contact the laboratory regarding feasibility.
Saliva (Oragene OG500)	2 mL of saliva	Room Temp.	Please contact the laboratory regarding feasibility.
Saliva infant sponges (Oragene OG575)	0-.75 mL of saliva	Room Temp.	Please contact the laboratory regarding feasibility.
Tissue	200 mg	Dry Ice	Please contact the laboratory regarding feasibility. Specimen must be snap frozen within 1 hr of collection.
Tumour	50-100 mg	Room Temp. in media or frozen without media at -80oC	Please contact the laboratory regarding feasibility.
Semen	1-2 mL	Liquid Nitrogen	Please contact the laboratory regarding feasibility.
Blood spot	2 blood spots	Room Temp.	Please contact the laboratory regarding feasibility.