

SAMPLE REQUIREMENTS AND TURN-AROUND TIMES

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Signature Microarrays

SAMPLE TYPE	QUANTITY REQUIRED	TURN-AROUND TIMES*
Peripheral Blood	2 tubes (1 x NaHep and 1 x EDTA vacutainer) each containing 3-5 cc whole blood	5 days (WG) / 7 days (OS)
Skin Biopsy	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡]) or 3mm x 3mm biopsy in sterile media or saline	CULTURED CELLS: 5 days TISSUE: <i>Please contact the Laboratory</i>
DNA	30µg <i>Please read DNA Acceptance Policy</i>	5 days
Cultured CVS or Amniocytes	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡])	5 days
Amniotic Fluid	15-20 cc	<i>Please contact the Laboratory</i>
Placental Tissue/ Products of Conception (POC)	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡]) or 15-20 mg tissue in sterile media or saline	CULTURED CELLS: 5 days TISSUE: <i>Please contact the Laboratory</i>

Signature FISH

SAMPLE TYPE	QUANTITY REQUIRED	TURN-AROUND TIMES*
Peripheral Blood	1 NaHep vacutainer containing 3-5 cc whole blood	7-10 days
Cultured CVS or Amniocytes	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡])	7-10 days
Amniotic Fluid	15-20 cc	<i>Please contact the Laboratory</i>
Placental Tissue/ Products of Conception (POC)	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡]) or 15-20 mg tissue in sterile media or saline	CULTURED CELLS: 5 days TISSUE: <i>Please contact the Laboratory</i>

Signature Karyotype

SAMPLE TYPE	QUANTITY REQUIRED	TURN-AROUND TIMES*
Peripheral Blood	1 NaHep vacutainer containing 3-5 cc whole blood	7-10 days
Cultured CVS or Amniocytes	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡])	7-10 days
Amniotic Fluid	15-20 cc	<i>Please contact the Laboratory</i>
Placental Tissue/ Products of Conception (POC)	1 x T-75 flask or 3 x T-25 flasks (70% confluent [‡]) or 15-20 mg tissue in sterile media or saline	CULTURED CELLS: 5 days TISSUE: <i>Please contact the Laboratory</i>

General Specimen Handling Instructions

- Label all tubes/flasks with patient name and date of birth, and enclose completed paperwork. Include previous cytogenetic reports.
- Samples should be shipped at room temperature in a rigid, leak-proof container by overnight delivery. Delayed shipment of sample or inappropriate temperatures may result in longer processing time or sample failure. Please notify Laboratory of courier tracking number.
- Microarray turn-around times are usually 5-7 days for sufficient samples. If culturing is needed, or other services are requested, turn-around times may be longer. Samples received prior to 12:00pm (PST) are processed the same day, whereas samples received in the afternoon are processed the next working day.
- Please contact the Laboratory at 509.474.6840 for further clarification or other questions.

* Turn-around times are based upon receipt of adequate sample for microarray analysis. Other Laboratory services, such as cell culturing, culture expansion, karyotyping, or FISH for single/dual loci, may increase turn-around times.

‡ Samples received that are less than 70% confluent will require expansion. There is an extra charge for the additional tissue culture.