

# SAMPLE REQUIREMENTS AND TURN-AROUND TIMES

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## Signature Microarrays

SAMPLE TYPE	QUANTITY REQUIRED	TURN-AROUND TIMES*
<b>Peripheral Blood</b>	2 tubes (1 x NaHep and 1 x EDTA vacutainer) each containing 3-5 cc whole blood	7 days
<b>Skin Biopsy</b>	1 x T-75 flask or 3 x T-25 flasks (70% confluent <sup>†</sup> ) or 3mm x 3mm biopsy in sterile media or saline	CULTURED CELLS: 7 days TISSUE: <i>Please contact Signature Genomics</i>
<b>DNA</b>	10µg <i>Please read DNA Acceptance Policy</i>	7 days
<b>Cultured CVS or Amniocytes</b>	1 x T-75 flask or 3 x T-25 flasks (70% confluent <sup>†</sup> )	7 days
<b>Amniotic Fluid</b>	15-20 cc	<i>Please contact Signature Genomics</i>
<b>Chorionic Villus Sampling (CVS)</b>	5-10mg tissue in sterile media or saline	<i>Please contact Signature Genomics</i>
<b>Placental Tissue/ Products of Conception (POC)</b>	1 x T-75 flask or 3 x T-25 flasks (70% confluent <sup>†</sup> ) or 15-20 mg tissue in sterile media or saline	CULTURED CELLS: 7 days TISSUE: <i>Please contact Signature Genomics</i>

## Signature FISH

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

## Signature Karyotype

SAMPLE TYPE	QUANTITY REQUIRED	TURN-AROUND TIMES*
<b>Peripheral Blood</b>	1 NaHep vacutainer containing 3-5 cc whole blood	10-12 days
<b>Skin Biopsy</b>	1 x T-75 flask or 3 x T-25 flasks (70% confluent <sup>†</sup> ) or 3mm x 3mm biopsy in sterile media or saline	CULTURED CELLS: 10-12 days TISSUE: <i>Please contact Signature Genomics</i>
<b>Cultured CVS or Amniocytes</b>	1 x T-75 flask or 3 x T-25 flasks (70% confluent <sup>†</sup> )	10-12 days
<b>Amniotic Fluid</b>	15-20 cc	<i>Please contact Signature Genomics</i>
<b>Placental Tissue/ Products of Conception (POC)</b>	1 x T-75 flask or 3 x T-25 flasks (70% confluent <sup>†</sup> ) or 15-20 mg tissue in sterile media or saline	CULTURED CELLS: 10-12 days TISSUE: <i>Please contact Signature Genomics</i>

## Other

TEST	QUANTITY REQUIRED	TURN-AROUND TIMES*
<b>MCC</b>	1 NaHep vacutainer containing 3-5 cc whole blood	<i>Please contact Signature Genomics</i>
<b>Fragile X</b>	1 EDTA vacutainer containing 3-5 cc whole blood	<i>Please contact Signature Genomics</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 if other services are requested, turn-around times may be longer. Samples received prior to 12:00pm (PT) are processed the same day, whereas samples received in the afternoon are processed the next working day.
- For paraffin- or formalin-embedded tissue, please contact Signature Genomics.
- Please contact Signature Genomics at 509.474.6840 with additional questions.

\* Turn-around times are approximate and based on receipt of adequate sample. Other services at Signature Genomics, such as cell culturing, culture expansion, karyotyping, or FISH confirmation, may increase turn-around times.

† Additional CPT codes may be billed if the sample received does not meet Signature Genomics specimen requirements.