

REQUESTS FOR MICROARRAY

Procedure for sending specimens to Mt. Sinai Hospital

New Clients: To receive a faxed report, please fill in the Fax Agreement Form (one Form for each professional)

CHORIONIC VILLUS SAMPLE (CVS)

(Rapid Aneuploidy Detection & back-up cultures to be done at MSH)

- Ship specimen to MSH
- Email MSH Cytogenetics Lab at cytogeneticlab@mtsinai.on.ca with courier name and courier tracking #

To request a Send-out for additional testing:

- Fax MSH Prenatal Requisition Form
- Fax Reference Lab Requisitions Form
- Provide FedEx Account #

Requirements:

1. At least 25 mg of CVS
2. Maternal blood in EDTA or maternal DNA
3. Completed MSH Cytogenetics Prenatal Requisition Form

MSH performs Rapid Aneuploidy Detection by QF-PCR and back-up cultures. QF-PCR is reported to Referring Center.

1. If QF-PCR results are normal then microarray is performed and reported to referring center.
2. If Trisomy 13, 18, 21 or Monosomy X is detected by the QF-PCR then microarray and other tests will be cancelled and only QF-PCR report will be issued. If further testing is required, please contact the lab within one week of the QF-PCR report sign out date.
3. If maternal cell contamination is detected, microarray is NOT performed.

AMNIOTIC FLUID (AF)

(Rapid Aneuploidy Detection & back-up cultures to be done at MSH)

- Ship specimen to MSH
- Email MSH Cytogenetics Lab cytogeneticlab@mtsinai.on.ca with courier name and courier tracking #

To request a Send-out for additional testing:

- Fax MSH Prenatal Requisition Form
- Fax Reference Lab Requisitions Form

Requirements:

1. At least 25 mL of Amniotic Fluid
2. Completed Cytogenetics Prenatal Requisition Form

MSH performs Rapid Aneuploidy Detection by QF-PCR and back-up cultures. QF-PCR is reported to referring center.

1. If QF-PCR results are normal then microarray is performed and reported to referring center.
2. If maternal cell contamination is detected then microarray is performed using cultured cells.
3. If Trisomy 13, 18, 21 or Monosomy X is detected by the QF-PCR then microarray and other tests will be cancelled and only QF-PCR report will be issued. If further testing is required, please contact the lab within one week of the QF-PCR report sign out date.

AMNIOTIC FLUID (AF)

(Rapid Aneuploidy Detection & back-up cultures are done at referring center)

- Email MSH Cytogenetics Lab cytogeneticlab@mtsinai.on.ca with courier name and courier tracking #

To request a Send-out for additional testing:

- Fax MSH Prenatal Requisition Form
- Fax Reference Lab Requisitions Form

Requirements:

1. At least 20 mL of Amniotic Fluid
2. Completed Cytogenetics Prenatal Requisition Form

Referring Center must fax RAD results ASAP to MSH
(fax: 416-586-8395)

1. **Note: Microarray will only be initiated upon receipt of QF-PCR results.**
2. If QF-PCR results are normal then microarray is performed and reported to referring center.
3. If maternal cell contamination is detected then referring center will be notified to send cultured cells to MSH for microarray.

Legend: QF-PCR - Quantitative Fluorescence Polymerase Chain Reaction RAD – Rapid Aneuploidy Detection

NOTE: Referring Centers may receive invoices for costs not covered by Ontario MOHLTC for Prenatal Microarray