

MATERNAL
SERUM SCREEN
(for Open Neural
Tube Defect and
Down Syndrome
Risks)

Orderable - TMS

Turn Around Time: 5 days

Alternate Name(s):

Enhanced First Trimester Screen
eFTS
MSS
Integrated Prenatal Screen
IPS
Triple Marker
Triple Screen
Down Syndrome Screen
Alphafetoprotein (Pregnancy)
Open Neural Tube Defect (ONTD)
Open Spina Bifida (OSB)

Specimen:

5 mL Gold top Vacutainer tube preferred
6 mL Red top Vacutainer is also accepted
Light Green top tubes (Li-heparin) or Lavender top tubes (EDTA) are <u>not</u> acceptable

Reference Ranges:

Not available. Result depends on clinical information.

Interpretive Comments:

Risks generated are dependent on accuracy and completeness of clinical information provided on the prenatal screening requisition form.

Special Processing:

Once the blood has clotted and been centrifuged, transfer a minimum of 2 mL of serum to a labelled plastic transport tube.



Laboratory:
Core Lab



Requisition:
[North York General
Hospital Prenatal
Screening Requisition
Form](#)



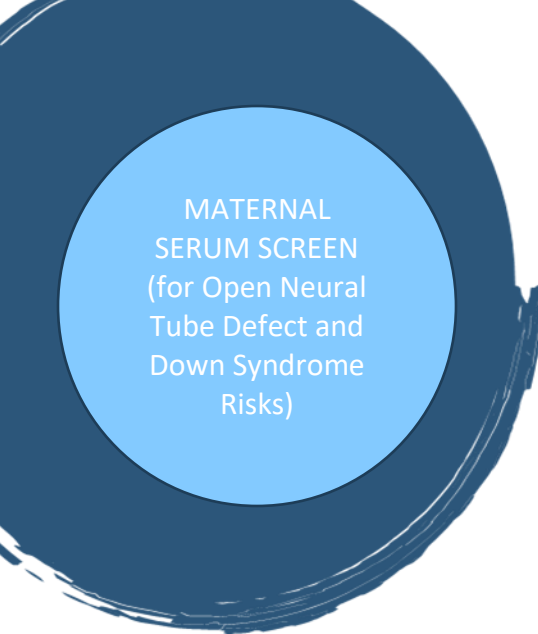
Method of Analysis:
Immunofluorescence
(Perkin Elmer
AutoDELFIA)



Test Schedule:
Referred out Monday-
Friday



Referred Out Location:
North York General
Hospital
Genetics, Maternal Serum
Screening Laboratory, 3SE
4001 Leslie Street
Toronto, ON
M2K 1E1
Phone: 416-756-6055,
extension 3
Fax: 416-756-6108



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(Samples collected at
LHSC are shipped to the
NYGH MSS lab via
LifeLabs)

Comments:

The NYGH MSS laboratory will fax results directly to the ordering provider and any other health care providers, as requested on the prenatal screening requisition form.

Storage and Shipment:

If serum has been collected before a weekend and will not be received by the NYGH MSS lab until after the weekend, the aliquoted serum should be frozen.

Refrigeration is acceptable if the serum will be received by the NYGH MSS lab within 1-2 days of collection.

NYGH Prenatal Screening Requisition Form should be shipped with the sample.