SURGICAL PATHOLOGY
TISSUE FOR CHROMOSOMAL ANALYSIS (CYTOGENETICS/KARYOTYPING)

ORDERING
Electronic orders: (in-house) use ‘OR-Pathology Order Set’ order and select the box labeled ‘For Pathology: Products of Conception with Genetic Studies.’
Requisition form: (off-site) complete the form as detailed in the Specimen Information & Requirements section. Indicate for cytogenetic studies on the form.
In a woman who has repeatedly aborted or who is aborting for no apparent reason, sometimes a genetic flaw can be pinpointed and genetic aid or counseling can be sought for the parents.
In certain tumors there can be corresponding genetic changes that are helpful in diagnosis & prognosis.

CLINICAL DATA
Include pertinent clinical history of the patient on the requisition.

COLLECTION INSTRUCTIONS
For products of conception, at least 500 mg (0.5 x 0.5 x 0.5 cm) of multiple, non-macerated fetal tissues (chorionic villi, skin, cord near placenta, lung, mesentery, rib fascia) should be submitted.
For soft tissue tumors, 250-500 ml fresh tumor should be submitted.

SPECIAL TIMING
Deliver the specimen to the Histology Laboratory as soon as possible. The specimen should be delivered directly to Pathology lab staff.
Call Pathology at 248-652-5264 or ext. 2311 with notification that a specimen for cytogenetic studies is being sent.

CONTAINER TYPE & PRESERVATIVE
***NO FORMALIN***
Selected tissue should be placed in a 50 ml tube of transport media. Transport media is available from the Histology department.
If transport media is unavailable, send the specimen fresh in a closed container covered with a saline-dampened gauze for transport.

Additional tissue that is not selected for cytogenetic studies should be placed in a jar of formalin for routine pathology.

LABELING REQUIREMENT
Label the specimen container(s) with both the patient’s name and specimen source.

STORAGE/TRANSPORT TEMPERATURE/SPECIAL DELIVERY
The specimen should be kept cool during transport.

UNACCEPTABLE CONDITIONS/CAUSES FOR REJECTION
Specimens received without adequate information or with insufficient, questionable or misleading labeling cannot be examined and processed until the deficiency is corrected. The department will make every effort to have the deficiency corrected as quickly as possible.