



Central Regional Pathology Laboratory
Suite 310, 2945 Hazelwood Street
Maplewood, MN 55109

CLIENT GUIDELINES

SUBMISSION OF SPECIMENS FOR CHROMOSOME ANALYSIS

Specimens may be sent to CRPL with a request for chromosome analysis. This procedure MUST be done on unfixed tissue. Tissue may be submitted in sterile saline or RPMI solution (available from CRPL upon request). If a specimen is sent in formalin, the test cannot be completed; cell cultures will not grow from fixed tissues. The length of time before receipt of the specimen at CRPL is a critical issue; unfixed specimens begin to deteriorate and results may be compromised by an extended length of time prior to testing.

Procedure A (when a surgical pathology report is desired, in addition to chromosome analysis):

1. Products of Conception or Fetal Skin Biopsy specimens: (Use sterile technique)
 - A. Container: Sterile container with specimen submerged in sterile saline or RPMI media.
 - B. Preferred Specimen: 2 cu. mm. skin biopsy or 5 cu. mm. of abortus tissue or placenta (villi).
 - C. If specimen is divided at the submitting institution/clinic, any remaining tissue may be placed into formalin for routine processing.
2. Complete a blue CRPL requisition form. Write in the specimen section, "Chromosome Analysis Requested", as well as the tissue type submitted. Include pertinent clinical information such as estimated gestational age, if known, or history of multiple miscarriages in the history section.
3. Package the specimen and request form securely. Keep the specimen at room temperature. Address the package to:

Central Regional Pathology Lab
2945 Hazelwood Street, Suite 310
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4. Arrange for transport (courier or other method used by your institution) to bring the specimen directly to CRPL as soon as possible. Specimens may be received between the hours of 8:00 to 4:30PM, Monday through Thursday and 8:00 to 3:00 PM on Friday.

5. Notify CRPL at 651.264.1603 or 651.264.1500 of the impending arrival of the specimen.

CRPL will process these requests for chromosome analysis and submit the required tissue sample to Hennepin County Medical Center Reference Laboratory. We will prepare routine histology slides from the remainder of the tissue and provide a surgical pathology report within 24-48 hours from the date of receipt in laboratory. The results of the chromosome analysis will be reported under separate cover when they become available.

Procedure B (when ONLY chromosome analysis is requested):

Because of the critical nature of the time element involved, if only a chromosome analysis is required (without an accompanying surgical pathology report), we suggest that submitting institutions/clients make separate arrangements to **send the specimen directly to Hennepin County Cytogenetics Laboratory**, or other reference laboratory of their own choice.

This would minimize deterioration of the tissue prior to set-up and testing.

Contact Information:

Hennepin County Medical Center
Cytogenetics Laboratory
701 Park Ave.
Minneapolis, MN 55145

612.873.8548, weekdays
612.336.0246, pager number evenings, weekends, holidays
612.873.3012, HCMC Triage, if technologist is unavailable

Please call Central Regional Pathology Laboratory staff at 651.264.1603 or 651.264.1500 with any further questions.

Thank you.