
Lab Dept: Anatomic Pathology

Test Name: CHROMOSOMES, HIGH RESOLUTION (ANW)

General Information

Lab Order Codes: CHHR

Synonyms: Chromosome Analysis, High Resolution Karyotype

CPT Codes: 88230 – Tissue culture for non-neoplastic disorders; lymphocyte
88262 – Chromosome analysis; count 15-20 cells, 2 karyotypes, with banding
88289 – High resolution study

Possible reflex testing:
88280 – Additional karyotype

Note: Additional counts or stains may be performed upon the director's discretion in order to clarify results or determine/rule out a specified level of mosaicism. Additional karyotypes will be generated for each abnormal clone established.

Test Includes: N/A

Logistics

Test Indications: A high resolution study is performed on specimens suspected of having subtle structural chromosome changes.

Lab Testing Sections: Anatomic Pathology – Sendouts

Referred to: Abbott Northwestern Laboratory – Cytogenetics (Ultra Panel Code: CSHR)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily until 7:00pm

Turnaround Time: 14 – 21 days, testing performed daily

Special Instructions: Request form must include date and time of specimen collection, attending physician, diagnosis (or reason for referral), clinical status, information regarding medication or transfusions, and specimen type.

Obtain Sodium Heparin tube prior to collecting the specimen.

Specimen

Specimen Type:	Whole blood
Container:	Green top (Na heparin) tube
Draw Volume:	Children: 3–5 mL blood Infants: 1–3 mL blood Adults: 5–10 mL blood Note: Newborn samples have a lower success rate of achieving a high resolution band length.
Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Use ANW Cytogenetics Request form. Call (612-863-4541) prior to sending specimen. Send to MOB 402. Inform ANW if the specimen is to be run stat.
Patient Preparation:	None
Sample Rejection:	Frozen or refrigerated specimen; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Interpretive report
Methodology:	72 hour PHA stimulated culture with chromosome analysis. Additional methods as determined by Laboratory Director based on clinical information and findings.
Contraindications:	Specimens failing to achieve necessary band length will default to a standard chromosome analysis.
References:	Abbott Northwestern Cytogenetics Lab, December 2004