
Lab Dept: **Anatomic Pathology**

Test Name: **CHROMOSOMES, BLOOD (ANW)**

General Information

Lab Order Codes: CANW

Synonyms: Chromosome Analysis, Blood; Karyotype

CPT Codes: 88230 – Tissue culture for non-neoplastic disorders; lymphocyte
88262 - Chromosome analysis; analyze 15 - 20 cells
88285 – Additional cells counted, each study (if appropriate)
88283 – Additional specialized banding technique (if appropriate)
88280 – Additional karyotype (if appropriate)

Test Includes: 72 hour PHA stimulated culture with chromosome analysis with additional studies as indicated by findings.

Logistics

Test Indications: A standard chromosome study is performed on specimens suspected of having gross chromosome changes such as trisomy of chromosome 21 or mosaicism.

Lab Testing Sections: Anatomic Pathology – Sendouts

Referred to: Abbott Northwestern Laboratory – Cytogenetics (Test code: C40)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 7 - 14 days, testing performed daily (Stat: 3 – 7 days)

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.

Specimen

Specimen Type: Whole blood

Container: Green top (Na heparin) tube

Draw Volume:	Children: 3 – 5 mL blood Infants: 1 – 2 mL blood Adults: 5 – 10 mL blood
Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Use ANW request form B. Call (612-863-454, Cytogenetics MOB-402) prior to sending specimen or to request a pick-up. Include physician's name and phone number. Inform if specimen is to run stat. If the specimen is stat and on a newborn, the specimen needs to be delivered ASAP and will be set up immediately. (Note: No one staffs ANW cyotgenetics from 7pm – 11pm but specimens should be delivered any way and the specimen will be set up when the night staff arrives.) Diagnosis and genetic indications are required for testing.
Patient Preparation:	None
Sample Rejection:	Frozen or refrigerated specimen; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Interpretive report
Methodology:	Determined by Laboratory Director based on clinical information.
References:	Abbott Northwestern Cytogenetics Lab (April 2010)
Updates:	3/21/2007: ANW order code previously listed at 435. 4/14/2010: ANW order code previously listed as CSBLD