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 – Additiona specializied 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: 18 days, testing performed daily (Stat: 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 blood collection

**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 (June 2018)

**Updates:**
3/21/2007: ANW order code previously listed at 435.
4/14/2010: ANW order code previously listed as CSBLD