

TEST: Chromosome analysis, lymph node

DESCRIPTION: Overnight and 24 hour unstimulated cultures of lymph node cells to produce metaphase cells for Giemsa-banded chromosome analysis. Cytogenetic examination includes detailed analysis of 20 cells and preparation of at least 3 karyograms. Often fluorescence in situ hybridization (FISH) analysis of interphase lymph node cells is also performed to look for evidence of specific cancer gene rearrangements.

INDICATIONS:

- suspected lymphoma

SPECIMEN REQUIREMENTS: Sterile ≥ 1 cm³ of lymph node or lymphoid mass. Place in sterile tissue culture transport medium in a sterile screw-top container. Tissue culture medium can be supplied by CompGene. Please call 414-393-1000 to obtain transport medium. **Specimen must not be frozen.** Label tube with patient's name and medical record number. Indicate the suspected type of lymphoma on the Requisition for Chromosome Analysis form. Sample should be transported to CompGene as soon as possible after collection. Lymphoma cells readily become non-viable after nodal tissue is removed from its blood supply.

REFERENCE VALUE: 46,XX[20] or 46,XY[20]

TURN AROUND TIME: 1-7 days (usually 2 or 3 days) for chromosome analysis
1 -2 days for fluorescence in situ hybridization (FISH) analysis

CPT CODES: 88237 - tissue culture for lymph node
88262- chromosome analysis, lymph node
88291 - cytogenetic interpretation and report

88271 - fluorescence in situ hybridization probes
88275 - fluorescence in situ hybridization 100-300 cells