

# Cytogenetic Studies

<b>Methodology:</b>	Cytogenetics/karyotype (G-banding)
<b>Test Description:</b>	Routine cytogenetics (karyotype) is used to identify structural and numerical chromosomal abnormalities, providing valuable diagnostic and prognostic information in a variety of tumor types.
<b>Specimen Requirements:</b>	Bone marrow aspirate: Minimum 2 ml in green top (sodium heparin) tube Peripheral blood: Minimum 5 ml in green top (sodium heparin) tube Fresh tissue: 1 cm <sup>3</sup> tissue completely immersed in RPMI.
<b>Storage &amp; Transportation:</b>	Bone marrow aspirate/peripheral blood: Store and transport at room temperature. Fresh tissue: Store refrigerated but not frozen. Use a cold pack for transport, making sure the cold pack is not in direct contact with the specimen.
<b>CPT Code(s):</b>	88237, 88264, 88280
<b>Level of Service:</b>	Global
<b>Turnaround Time:</b>	5-7 days

## DIF

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<b>Methodology:</b>	(DIF) (Panel (IgG, IgM, IgA, C3 and Fibrin)
<b>Test Description:</b>	Cutaneous Direct Immunofluorescence Testing Direct immunofluorescence (DIF) test can be performed on skin or mucosa obtained in the physician's office. All biopsy specimens are examined for the presence of bound immunoglobulins (IgG, IgM, IgA), complement C3 and fibrinogen. IF testing is particularly useful for confirmation of the following: immunobullous diseases (pemphigus, IgA dermatitis, bullous pemphigoid, pemphigoid gestationis, epidermolysis bullosa acquisita, dermatitis herpetiformis), connective tissue diseases (lupus, dermatomyositis), and vasculitis. IF tests may be diagnostic when dermatopathologic studies are only suggestive, nonspecific, or negative.
<b>Specimen Requirements:</b>	Selection of biopsy sites: Immunobullous Diseases- Perilesional skin with the exception of skin to rule out/in dermatitis herpetiformis (DH). For DH- non-lesioned skin is preferred Connective Tissue Diseases- Established lesional skin (best an active 6 month or older lesion) Vasculitis – Lesional skin less than 24 Hours old.
<b>Storage &amp; Transportation</b>	Specimens for DIF should be placed in Michel's Solution. They should not be placed in formalin. All jars must have two (2) identifiers clearly written and match exactly with the specimen identifier and specimen labelling on accompanying req.
<b>Storage &amp; Transportation</b>	The specimen can be transported at room temperature. For best results it should be received (and frozen) within 5 days of biopsy. Do not place on ice, dry ice, or freeze the Michel's Solution.
<b>CPT Code(s):</b>	88346, 88350
<b>Level of Service:</b>	Global
<b>Turnaround Time:</b>	48 days. Test processed Tuesday, Thursday & Saturday