Test Definition: BTKFP

Bruton's Tyrosine Kinase (BTK) Genotype and Protein Analysis, Full Gene Sequence and Flow Cytometry

Reporting Title: BTK Full-Gene Panel, B
Performing Location: Rochester

Specimen Requirements:

Forms:
1. New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.
2. Bruton's Tyrosine Kinase (BTK) Genotype Patient Information Sheet (Supply T620) in Special Instructions

Ordering physician name and phone number are required.

For flow cytometry serial monitoring, we recommend that specimen draws be performed at the same time of day.

Specimens must arrive within 72 hours of draw. Send specimen Sunday through Thursday only. Draw and package specimen as close to shipping time as possible. Ship specimen overnight.

Two separate EDTA specimens are required:

Specimen Type: Blood for BTKSP/29305 Bruton's Tyrosine Kinase (BTK) Genotype, Full Gene Sequence and BTKSQ/89827 Bruton's Tyrosine Kinase (BTK) Genotype, Full Gene Sequencing
Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Collection Instructions:
1. Send specimen in original tube. Do not aliquot.
2. Label as BTKSP/29305 and BTKSQ/89827.
Additional Information:
1. Bone marrow transplants will interfere with testing.
2. Transfusions will interfere with testing for up to 4 to 6 weeks. DNA obtained from white cells may not provide useful information for patients who received a recent transfusion of blood that was not leukocyte-reduced. Wait 4 to 6 weeks until transfused cells have left the patient's circulation before drawing the patient's blood specimen for genotype testing.

Specimen Type: Blood for BTK/89011 Bruton's Tyrosine Kinase (Btk), Protein Expression, Flow Cytometry, Blood
Container/Tube: Lavender top (EDTA)
Specimen Volume: 5 mL
Collection Instructions:
1. Send specimen in original tube. Do not aliquot.
2. Label as BTK/89011.

Specimen Type	Temperature	Time
Whole Blood EDTA	Refrigerated (preferred)	72 hours
	Ambient	72 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
29305	BTK Full Gene Result	Alphanumeric		In Process
45486	BTK Full Gene Interpretation	Alphanumeric		69047-9
45487	Reviewed By	Numeric		N/A
BTKSQ	BTK, Full Gene Sequencing	Alphanumeric		35295-5
89011	Btk Protein Flow, B **Also used by tests: BTK**	Alphanumeric		In Process

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	UNLISTED MOLECULAR PATHOLOGY	1	81479		
BTKSP	BTK, Full Gene Sequence	1	81479	Yes	Yes (order BTKS)
BTKSQ	BTK, Full Gene Sequencing	42		Yes	No
BTK	Btk Protein Flow, B	1	88184	Yes	Yes

Reference Values:

An interpretive report will be provided.