Test Definition: BTKMP

Bruton's Tyrosine Kinase (BTK) Genotype and Protein Analysis, Known Mutation Sequencing and Flow Cytometry

Reporting Title: BTK Known Mutation Panel, B
Performing Location: Rochester

Specimen Requirements:

Forms:
1. Bruton's Tyrosine Kinase (BTK) Genotype Patient Information Sheet (Supply T620) in Special Instructions
2. 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.

Ordering physician's name and phone number are required.

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

It is recommended that specimens arrive within 24 hours of draw. Specimens are required to be received in the laboratory on weekdays and by 4 p.m. on Friday. No weekend processing. Draw and package specimens as close to shipping time as possible. Ship specimens overnight.

Two separate EDTA specimens are required.

Specimen Type: Blood for BTKKM/29304 Bruton's Tyrosine Kinase (BTK) Genotype, Known Mutation and BTKKQ/89286 Bruton's Tyrosine Kinase (BTK) Genotype, Known Mutation Sequencing
Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Collection Instructions:
1. Send specimen in original tube.
2. Label as BTKKM/29304 and BTKKQ/89286.
Additional Information: 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. Ship at ambient temperature only.
3. Label as BTK/89011.

Specimen Type	Temperature	Time
Whole Blood EDTA	Varies	72 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
29304	BTK Known Mut Result	Alphanumeric		69479-4
45477	BTK Known Mut Interpretation	Alphanumeric		69047-9
45478	Reviewed By	Numeric		N/A
BTKKQ	BTK Gene, Known Mutation Sequencing	Alphanumeric		In Process
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
BTKKM	BTK Gene, Known Mutation	1	81403	Yes	Yes (order BTKK)
BTKKQ	BTK Gene, Known Mutation Sequencing	1		Yes	No
BTK	Btk Protein Flow, B	1	88184	Yes	Yes

Reference Values:

An interpretive report will be provided.