



Test Definition: TBBS

Quantitative Lymphocyte Subsets: T, B, and Natural Killer (NK) Cells, Blood

Reporting Title: QN Lymphocyte Subsets: T, B, and NK

Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Ordering Guidance:

This assay **should not be used** for diagnosing lymphocytic malignancies or evaluation of lymphocytosis of unknown etiology. For such cases, order LCMS / Leukemia/Lymphoma Immunophenotyping, Flow Cytometry, Varies, which includes a hematopathology review.

This assay can be used for absolute quantitation of B cells in patients with chronic lymphocytic leukemia.

While this assay can be used to follow patients on B-cell-depleting therapy, like rituximab (eg, Rituxan, Riabni) or ofatumumab (eg, Kesimpta), it may be more reasonable and financially viable to use CD20B / CD20 on B Cells, Blood (includes CD45, CD19 and CD20 markers).

Shipping Instructions:

It is recommended that specimens arrive within 24 hours of collection. Collect and package specimen as close to shipping time as possible.

Necessary Information:

Date and time of collection are required.

Specimen Requirements:

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

Collection Instructions: Send whole blood specimen in original tube. **Do not aliquot.**

Additional Information: For serial monitoring, it is recommended that specimen collection be performed at the same time of day.

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA	Ambient	52 hours	PURPLE OR PINK TOP/EDTA

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
4054	% CD16+CD56 (NK cells)	Unknown	%	8112-5
4055	CD16+CD56 (NK cells)	Unknown	cells/mcL	20402-4
3324	CD19 (B Cells)	Unknown	cells/mcL	8116-6
3322	CD3 (T Cells)	Unknown	cells/mcL	8122-4
3319	% CD4 (T Cells)	Unknown	%	8123-2
3325	CD4 (T Cells)	Unknown	cells/mcL	24467-3
3326	CD8 (T Cells)	Unknown	cells/mcL	14135-8
3327	4/8 Ratio	Unknown		54218-3
3321	CD45 Total Lymph Count	Unknown	thou/mcL	27071-0

3318	% CD19 (B Cells)	Unknown	%	8117-4
3316	% CD3 (T Cells)	Unknown	%	8124-0
3320	% CD8 (T Cells)	Unknown	%	8101-8
6657	Comment	Alphanumeric		80722-2
622952	% Sample Viability	Unknown	%	33193-4
622953	% Lymphocyte Viability	Unknown	%	33193-4

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

86355

86357

86359

86360

Reference Values:

The appropriate age-related reference values will be provided on the report.