MAYO CLINIC
Mayo Medical Laboratories

Test Definition: ALPS

Alpha Beta Double-Negative T Cells for Autoimmune Lymphoproliferative Syndrome

Reporting Title: ALPS Screen
Performing Location: Rochester

Specimen Requirements:

Send specimen Monday through Thursday only. Draw and package specimen as close to shipping time as possible. Ship specimen overnight.

Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Additional Information:
1. Ordering physician name and phone number are required.
2. For serial monitoring, we recommend that specimen draws be performed at the same time of day.

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

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
23973	%alpha/beta-TCR DNT	Alphanumeric	% CD3 T cells	34962-1
23974	alpha/beta-TCR DNT	Alphanumeric	cells/mcL	34963-9
28904	% TCR+DNT B220+	Alphanumeric	% CD3 T cells	In Process
28905	Absolute TCR+DNT B220+	Alphanumeric	cells/mcL	In Process
23975	Interpretation	Alphanumeric		69052-9

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Flow Cytometry, each cell	1	88184		
Billing only	Each additional marker	4	88185		

Reference Values:

Alpha beta TCR+DNT cells
2-18 years: <2% CD3 T cells
19-70+ years: <3% CD3 T cells
Reference values have not been established for patients that are less than 24 months of age.

Alpha beta TCR+DNT cells
2-18 years: <35 cells/mcL
19-70+ years: <35 cells/mcL
Reference values have not been established for patients that are less than 24 months of age.

Alpha beta TCR+DNT B220+ cells
2-18 years: <0.4% CD3 T cells
19-70+ years: <0.3% CD3 T cells
Reference values have not been established for patients that are less than 24 months of age.

Alpha beta TCR+DNT B220+ cells
2-18 years: <7 cells/mcL
19-70+ years: <6 cells/mcL
Reference values have not been established for patients that are less than 24 months of age.