MAYO CLINIC
Mayo Medical Laboratories

Test Definition: TREC

T-Cell Receptor Excision Circles (TREC) Analysis, Blood

Reporting Title: TREC, B

Performing Location: Rochester

Specimen Requirements:

This assay is useful for longitudinal assessment of thymic function and naive T-cell production. For comprehensive thymic function analysis on pediatric patients or posthematopoietic cell transplantation, order this test and CD4RT/89504 CD4 T-Cell Recent Thymic Emigrants (RTE).

Send specimen Monday through Thursday only. Specimen should arrive within 48 hours of draw. Draw and package specimen under strict ambient conditions as close to shipping time as possible. Ship specimen priority overnight in an Ambient Mailer-Critical Specimens Only (Supply T668).

Container/Tube: Lavender top (EDTA)
Specimen Volume:
Adults: 10 mL
Pediatrics:
-Preferred volume for >1 year = 5 mL
-Preferred volume for < or =1 year old = 3 mL
Collection Instructions:
1. Do not draw specimen through a butterfly needle.
2. Send specimen in original tube.
Additional Information:
1. Ordering physician's name and phone number are required.
2. For serial monitoring, we recommend that specimen draws be performed at the same time of day.
Forms: TREC Assay Patient Information Sheet (Supply T589) in Special Instructions

Specimen Type	Temperature	Time
Whole Blood EDTA	Ambient	48 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
28306	CD3 T Cells	Numeric	cells/mcL	8122-4
28307	CD4 T Cells	Numeric	cells/mcL	8127-3
28308	CD8 T Cells	Numeric	cells/mcL	8137-2
87959	TREC Copies	Numeric	per 10(6) CD3 Tcells	In Process
30292	Interpretation	Alphanumeric		69048-7
35200	Reviewed by	Numeric		In Process

CPT Code: 1 × 81479

Reference Values:

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