

Reporting Title: TREC Analysis, B
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Additional Testing Requirements:
This assay is useful for evaluating thymic output, and for longitudinal assessment of thymic function.

For comprehensive assessment of thymic function in pediatric patients and/or individuals who have received hematopoietic stem cell transplantation, order this test together with CD4RT / CD4 T-Cell Recent Thymic Emigrants, Blood.

Shipping Instructions:
Specimens must be received in the laboratory on weekdays and by 4 p.m. on Friday. Collect and package specimen as close to shipping time as possible.

It is recommended that specimens arrive within 24 hours of collection.

Samples arriving over the weekend or on observed holidays may be canceled.

Necessary Information:
Ordering physician's name and phone number are required.

[TREC Assay Patient Information](#) (T589) is required. [Testing will proceed without the form; however, results will be held under the information is received.](#)

Specimen Requirements:
For serial monitoring, it is recommended to perform specimen collection at the same time of day, if possible.
Supplies: Ambient Shipping Box-Critical Specimens Only (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 collect specimen using a butterfly needle.
2. Send whole blood specimen in original tube. Do not aliquot.

Forms:
[TREC Assay Patient Information](#) (T589) is required

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA	Ambient	48 hours	PURPLE OR PINK TOP/EDTA

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
615825	TREC Copies	Numeric	per 10(6) CD3 Tcells	62320-7
615822	CD3 T Cells	Numeric	cells/mcL	8122-4
615823	CD4 T Cells	Numeric	cells/mcL	24467-3
615824	CD8 T Cells	Numeric	cells/mcL	14135-8
616642	Previous Run Date	Alphanumeric		93126-1
616646	Previous run TREC Copies	Alphanumeric	per 10(6) CD3 Tcells	93126-1
616643	Previous run CD3 T Cells	Alphanumeric	cells/mcL	93126-1
616644	Previous run CD4 T Cells	Alphanumeric	cells/mcL	93126-1
616645	Previous run CD8 T Cells	Alphanumeric	cells/mcL	93126-1
615826	Interpretation	Alphanumeric		69047-9
615827	Additional Information	Alphanumeric		48767-8
615828	Method	Alphanumeric		85069-3
615829	Disclaimer	Alphanumeric		62364-5
615830	Released By	Alphanumeric		18771-6

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

Supplemental Report:

No

CPT Code Information:

81479-Unlisted molecular pathology procedure

Reference Values:

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