
T+B CELLS SUBSET - (PERIPHERAL BLOOD)

This test is designed for use in diagnosis and monitoring of primary acquired immunodeficiency states. It measures the absolute and relative numbers of total T-Cells (CD3), total B-Cells (CD19), Helper (CD4), suppressor (CD8), and natural killer (CD56) T-Cells. It has the advantage of measuring all lymphocyte subsets which can then be added and compared to the total lymphocyte count as a quality assurance measure. It is the panel recommended by the CDC for monitoring HIV positive patients.

Specimen Requirements: 5 mL EDTA (lavender) vacutainer. **Specimen must be kept at room temperature and received within 24 hours of collection.** (If Natural Killer Cells are a priority the optimal sample should be received within 4 hours.) See "Transportation" -Overnight Courier.

Reference Ranges:	<u>%</u>	<u>Abs. Count (cells/uL)</u>
Total Lymphocytes	21 - 51	1193 - 3289
CD3 Total T Cells	60 - 86	911 - 2782
CD4 Helper T Cells	33 - 59	520 - 1517
CD8 Suppressor T Cells	13 - 37	202 - 915
CD4:CD8 Ratio	0.7 - 3.2	
CD16/CD56 Natural Killer Cells	1 - 16	10 - 339
CD19 Total B Cells	4 - 22	6 - 488

Report Time: 24 Hours

Day(s) Set Up: Monday through Friday

CPT Code(s): 88184 Flow 1st Marker Technical 88185 Flow Additional Marker Technical
88187 Flow 2-8 Marker Interp 88188 Flow 9-15 Marker Interp
88189 Flow 16+ Marker Interp

T CELL LYMPH SUBSET PANEL

This test measures total lymphocytes, the absolute and relative numbers of Total T-Cells (CD3), and the T-helper cells (CD4) and T-suppressor cells (CD8). It also includes the calculation of the Helper:Suppressor Ratio.

Specimen Requirements: 5 mL EDTA (lavender) vacutainer. **Specimen must be kept at room temperature and received within 24 hours of collection.** See "Transportation" -Overnight Courier.

Reference Range:	<u>%</u>	<u>Abs. Count (cells/uL)</u>
Total Lymphocytes	21 - 51	1193 - 3289
CD3 Total T-Cells	60 - 86	795 - 2487
CD4 T Helper Cells	33 - 59	520 - 1517
CD8 T Suppressor Cells	13 - 37	202 - 915
CD4:CD8 Ratio	0.7 - 3.2	

Report Time: 24 Hours

Day(s) Set Up: Monday through Friday

CPT Code(s): 88184 Flow 1st Marker Technical 88185 Flow Additional Marker Technical
88187 Flow 2-8 Marker Interp 88188 Flow 9-15 Marker Interp
88189 Flow 16+ Marker Interp

T4 FREE (Thyroxine Free)

Specimen Requirements: 1 mL serum (SST or red). Fasting preferred.
Avoid hemolysis. Freeze if stored longer than 48 hours.

Reference Range: 0.89 - 1.76 ng/dL

Report Time: 24-96 Hours

Day(s) Set Up: Monday through Friday

CPT Code(s): 84439

T3 FREE (Triiodothyronine Free)

Specimen Requirements: 1 mL serum (SST or red). Fasting preferred.
Avoid hemolysis. Freeze if stored longer than 48 hours.

Reference Range: 230-420 pg/dL

Report Time: 24-96 Hours

Day(s) Set Up: Monday through Friday

CPT Code(s): 84481

TESTOSTERONE TOTAL

Specimen Requirements: 1 mL serum (red or SST)
Freeze if stored longer than 48 hours.

Reference Range: Male: 2.41 - 8.27 ng/mL
Female 0.14 - 0.76 ng/mL

Report Time: 24 - 72 hours

Day(s) Set Up: Monday through Friday

CPT Code(s): 84403

THEOPHYLLINE

Specimen Requirements: 0.5 mL serum (red). **Do not use SST.** Draw trough specimen immediately before next dose.

Reference Range: Therapeutic: 10.0 - 20.0 ug/mL

Report Time: 24 Hours

Day(s) Set Up: Monday through Sunday

CPT Code(s): 80198

THYROID SCREEN

Specimen Requirements: 2 mL serum (SST or red). Fasting preferred.
Avoid hemolysis. Freeze if stored longer than 48 hours.

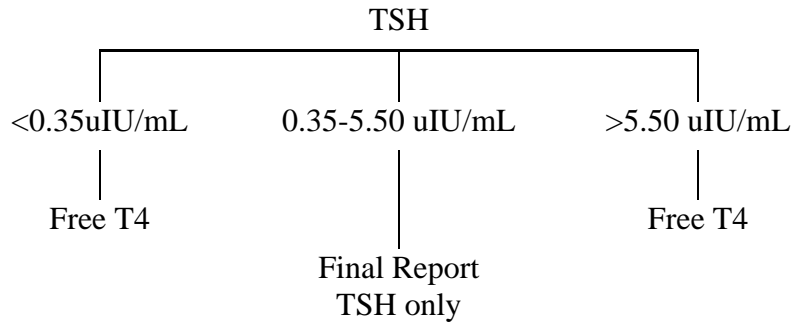
***Can only be frozen 1 time.**

Reference Range: TSH 0.35 - 5.50 uIU/mL
Free T₄ 0.89 - 1.76 ng/dL

Report Time: 24 - 96 Hours

Day(s) Set Up: Monday through Friday

CPT Code(s): TSH 84443
Free T₄, if needed 84439



TOBRAMYCIN (Indicate on requisition and tube, peak, trough, or random)

Specimen Requirements: 0.5 mL serum (red). **Freeze. Do not use SST.** Draw peak 1/2 hour after a 30-60 minute IV infusion or immediately after a 2 hour or longer IV infusion. (1 hour after IM dose.) Draw trough 1/2 hour to immediately before a dose.

Reference Range: Therapeutic-Peak 5.0 - 10.0 ug/mL

Report Time: 24 Hours

Day(s) Set Up: Monday through Sunday

CPT Code(s): 80200

TRICHOMONAS RAPID

An enzyme immunoassay antigen test for *Trichomonas* proteins in vaginal specimens. Test has improved sensitivity compared to wet prep exam. Not approved for male samples.

Specimen Requirements: Collect vaginal fluid with a culture swab/transporter device. Refrigerate until pickup. May be held up to 36 hours refrigerated. Same specimen may be used for Bacterial Vaginosis Gram stain.

Reference Range: Not applicable.

Report Time: 24 Hours. Results phoned on request.

Day(s) Set Up: Monday through Sunday

CPT Code(s): 87808

TRIGLYCERIDE

Specimen Requirements: 1 mL plasma (green or PST), **fasting preferred.**

Reference Range: <150 mg/dL Desirable
150-199 mg/dL Borderline High
200 - 499 mg/dL High
>500 mg/dL Very High

Report Time: 24 Hours

Day(s) Set Up: Monday through Sunday

CPT Code(s): 84478

TROPONIN I

Specimen Requirements: 0.5 mL plasma (green or PST). Refrigerate until analysis.
Stable 2 weeks when stored at 2 - 8⁰ C. **Avoid gross hemolysis.**

Note: Serum samples will not be accepted.

Reference Range: < 0.08 ng/mL

Report Time: 24 Hours

Day(s) Set Up: Monday through Sunday

CPT Code(s): 84484

TSH (THYROID STIMULATING HORMONE)

Specimen Requirements: 1 mL serum (SST or red). Fasting preferred. **Avoid gross hemolysis.** Freeze if stored longer than 48 hours.
Can be frozen only once.

Reference Range: 0.35 - 5.50 uIU/mL
Ultra Sensitive Method. Sensitivity down to 0.01 uIU/ml

Report Time: 24 - 96 hours

Day(s) Set Up: Monday through Friday

CPT Code(s): 84443