

University of Vermont Medical Center Laboratory Test Catalog

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LAB895 ABO & Rh BLOOD TYPE

University of Vermont Medical Center

Reference Range

Blood type

LAB43 ACETAMINOPHEN, QUANTITATIVE

University of Vermont Medical Center

Reference Range

Therapeutic: 10 – 30 ug/mL

Possible Toxicity: 150 – 200 ug/mL

Probable Toxicity: >200 ug/mL

Toxicity is best measured 4 hours post dose/ingestion.

NCSM AEROBIC ACTINOMYCETE (NOCARDIA) CULTURE AND SMEAR

University of Vermont Medical Center

Reference Range

No aerobic actinomycetes isolated

LAB877 AFB CULTURE

University of Vermont Medical Center

Reference Range

Negative: No acid-fast bacilli isolated, final at 8 weeks

LAB2513 AFB CULTURE & SMEAR

University of Vermont Medical Center

Reference Range

Negative: No acid -fast bacilli isolated, final at 8 weeks

CFRTCS AFB CULTURE & SMEAR, CF PATIENTS ONLY

University of Vermont Medical Center

Reference Range

No Mycobacterium isolated

LAB246 AFB CULTURE, BLOOD

University of Vermont Medical Center

Reference Range

Negative: No acid-fast bacilli isolated, final at 8 weeks

Positive: When organisms are detected, a preliminary result is available via computer and the clinician is called with a verbal report. Cultures with organisms growing are maintained in the laboratory for 90 days after finalization.

AFSM AFB SMEAR ONLY, OTHER

University of Vermont Medical Center

Reference Range

Negative: No Acid Fast Bacilli seen/identified

Positive: Clinicians will be notified of all positive acid-fast bacilli seen.

AFIRMA AFIRMA GENOMIC SEQUENCING CLASSIFIER FOR INDETERMINATE THYROID NODULES

University of Vermont Medical Center

AFPTMR AFP TUMOR MARKER

University of Vermont Medical Center

Reference Range

> 2 Years: <8.1 ng/mL

< 2 years: Contact Laboratory Customer Service for assistance (847-5121/800-991-2799)

LAB45 ALBUMIN

University of Vermont Medical Center

Reference Range – ALBUMIN

Age	Sex	Low	High	Units
0 - 15 days	All	3.4	4.7	g/dL
15 days - 1 year	All	2.9	4.9	g/dL
1 year - 8 years	All	3.9	4.9	g/dL
8 years - 15 years	All	4.2	5.0	g/dL
15 years - 18 years	Male	4.2	5.3	g/dL
15 years - 18 years	Female	4.1	5.1	g/dL
≥18 years	All	3.4	4.9	g/dL

CSALB ALBUMIN, CSF

University of Vermont Medical Center

Reference Range – ALBUMIN, CSF

Age	Sex	Physiological Status	Low	High	Units
≥18	All			≤25.1	mg/dL

FALB ALBUMIN, FLUID

University of Vermont Medical Center

Reference Range

None

LAB112 ALKALINE PHOSPHATASE

University of Vermont Medical Center

Reference Range – ALKALINE PHOSPHATASE

Age	Sex	Low	High	Units
0 - 15 days	Male	89	239	U/L
15 days - 1 year	Male	125	440	U/L
1 year - 10 years	Male	143	318	U/L
10 years - 13 years	Male	131	393	U/L
13 years - 15 years	Male	119	440	U/L
15 years - 17 years	Male	88	315	U/L
17 years - 18 years	Male	64	150	U/L
≥ 18 years	Male	38	126	U/L
0 - 15 days	Female	89	239	U/L
15 days - 1 year	Female	125	440	U/L
1 year - 10 years	Female	143	318	U/L
10 years - 13 years	Female	131	393	U/L
13 years - 15 years	Female	66	245	U/L
15 years - 17 years	Female	59	120	U/L
17 years - 18 years	Female	55	93	U/L
≥ 18 years	Female	38	126	U/L

AATS ALPHA 1 ANTITRYPSIN

University of Vermont Medical Center

Reference Range – ALPHA 1 ANTITRYPSIN

Age	Sex	Physiological Status	Low	High	Units
≥ 18 Year	All	N/A	90	200	mg/dL

LAB132 ALT (SGPT)

University of Vermont Medical Center

Reference Range – ALT (SGPT)

Age	Sex	Low	High	Units
0 - 1 year	Male	17	69	U/L
1 year - 13 years	Male	24	45	U/L
13 years - 18 years	Male	22	49	U/L
≥18 years	Male		<50	U/L
0 - 1 year	Female	17	69	U/L
1 year - 13 years	Female	24	45	U/L
13 years - 18 years	Female	20	38	U/L
≥18 years	Female		<35	U/L

LAB47 AMMONIA

University of Vermont Medical Center

Reference Range – AMMONIA

Age	Sex	Low	High	Units
0 - 1 month	All		<80	μmol/L
1 month - 18 years	All		<50	μmol/L
≥18 years	All		<34	μmol/L

UAM2 AMPHETAMINE SCREEN, URINE

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

AMY AMYLASE

University of Vermont Medical Center

Reference Range — AMYLASE

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All	N/A	30	110	U/L

Plasma Concentrations are 20 U/L higher than serum concentrations.

FAMY *AMYLASE, FLUID*

University of Vermont Medical Center

Reference Range

No Reference Range available.

ACS *ANAEROBIC CULTURE (INCLUDES AEROBES), & SMEAR*

University of Vermont Medical Center

Reference Range

No growth

LAB9907 (a) *ANAL PAP TEST, THINPREP*

University of Vermont Medical Center

Reference Range

Negative for intraepithelial lesion or malignancy.

ANECAS *ANEMIA CASCADE*

University of Vermont Medical Center

LAB648 *ANTI DNA (DOUBLE STRANDED)*

University of Vermont Medical Center

Reference Range

All Ages:

Negative: <30.0 IU/mL

Borderline Positive: 30.0-75.0 IU/mL

Positive: >75.0 IU/mL

ANCAIF *ANTI NEUTROPHIL CYTOPLASMIC ANTIBODY, IFA*

University of Vermont Medical Center

Reference Range

All Ages: Negative

AT3VMX *ANTI THROMBIN 3, FUNCTIONAL*

University of Vermont Medical Center

Reference Range — ANTI THROMBIN 3, FUNCTIONAL

Age	Sex	Physiological Status	Low	High	Units
All	All		85	125	%

LAB278 ANTIBODY SCREEN

University of Vermont Medical Center

Reference Range

Negative

LAB148 ANTINUCLEAR ANTIBODY, IFA

University of Vermont Medical Center

Reference Range

All ages: Negative

AID ARTHROPOD IDENTIFICATION

University of Vermont Medical Center

Reference Range

A descriptive report is provided.

LAB131 AST (SGOT)

University of Vermont Medical Center

Reference Range – AST (SGOT)

Age	Sex	Low	High	Units
0 - 15 days	All	29	213	U/L
15 days - 1 year	All	29	97	U/L
1 year - 7 years	All	33	66	U/L
7 years - 12 years	All	28	50	U/L
12 years - 18 years	Male	24	49	U/L
12 years - 18 years	Female	23	41	U/L
≥18 years	All	15	46	U/L

AUTOPSY *AUTOPSY*

University of Vermont Medical Center

RCS *BACTERIAL CULTURE & SMEAR (C + S)*

University of Vermont Medical Center

Reference Range

No growth

RRCS *BACTERIAL CULTURE RESPIRATORY & SMEAR (C + S)*

University of Vermont Medical Center

Reference Range

Usual oropharyngeal flora

BRC *BACTERIAL CULTURE, BLOOD/BONE MARROW*

University of Vermont Medical Center

Reference Range

No Growth

SORC *BACTERIAL CULTURE, SOLID OBJECT*

University of Vermont Medical Center

Reference Range

Negative: No growth. Less than 15 colonies on the blood agar plate suggest that the bacteria are not causing catheter related sepsis. Isolates are identified by gram morphology only. Final results are available in 2 days.

Positive: More than 15 colonies on the blood agar plate correlates best with catheter-associated sepsis. Results are usually available in 2 days. (Three or more organisms may be reported as "Mixed organisms").

URC *BACTERIAL CULTURE, URINE*

University of Vermont Medical Center

Reference Range

No growth or usual urogenital flora

- Colony counts are done using a calibrated loop. Colony counts are reported based on 2 reference points: 10,000 CFU/mL and 100,000 CFU/mL.
- Organisms are identified and susceptibility testing is done (when indicated), when more than 10,000 CFU/mL of 1 or 2 pathogens are present.
- A sample with 3 or more potential pathogens is reported as: Mixed organisms, Interpretation difficult. Multiple gram positive organisms representing skin flora or vaginal contamination will be reported as usual urogenital flora.
- No growth reports are available at 24 hours. Organism identification and susceptibility testing results are completed within 48 hours.

UBAR2 *BARBITURATE SCREEN, URINE*

University of Vermont Medical Center

Reference Range

Negative Screen

BMP *BASIC METABOLIC PANEL*

University of Vermont Medical Center

Reference Range

See individual tests.

UBN22 *BENZODIAZEPINE SCREEN, URINE*

University of Vermont Medical Center

Reference Range

Negative Screen

LAB3190 *BETA HCG QUANTITATIVE, NON PREGNANCY*

University of Vermont Medical Center

Reference Range

For non-pregnant females: <5 mIU/mL

This assay has not been FDA cleared for use as a tumor marker. The results of this assay cannot be interpreted as absolute evidence for the presence or absence of malignant disease. The VITROS total Beta hCG II immunoassay detects the intact hormone, nicked forms of hCG, hyperglycosylated hCG, the beta-core fragment, and the free beta-subunit. Results obtained with different assay methods or kits may be different and cannot be used interchangeably.

LAB143 *BETA HCG QUANTITATIVE, PREGNANCY*

University of Vermont Medical Center

Reference Range

Pregnancy:

Negative = Less than 5 mIU/mL

Indeterminate, recommend repeat in 48 hours = 5-25 mIU/mL

Positive = Greater than >25 mIU/mL

The results of this assay can be **falsely lowered** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

BHOB *BETA HYDROXYBUTYRATE*

University of Vermont Medical Center

Reference Range

All ages: < 0.4 mmol/L

BETHA *BETHESDA ASSAY*

University of Vermont Medical Center

Reference Range

0.0 Bethesda units, inhibitor to factor

DBIL *BILIRUBIN, DIRECT & INDIRECT*

University of Vermont Medical Center

Reference Range

Conjugated (Direct): Greater than 1 month old: 0.0 - 0.3 mg/dL

Unconjugated (Indirect): Greater than 1 monthold: 0.0 – 1.1 mg/dL

LAB51 BILIRUBIN, NEONATAL

University of Vermont Medical Center

Reference Range – BILIRUBIN, NEONATAL

Bilirubin	Age	Sex	Low	High	Units
Conjugated Bili	0 -1 month	All	0.0	0.6	mg/dL
Unconjugated Bili	0 - 1 month	All	0.6	10.5	mg/dL

LAB50 BILIRUBIN, TOTAL

University of Vermont Medical Center

Reference Range – BILIRUBIN, TOTAL

Age	Sex	Low	High	Units
1 month -12 years	All		≤0.7	mg/dL
12 years - 18 years	All		≤0.8	mg/dL
≥18 Years	All		<1.4	mg/dL

TDBIL BILIRUBIN, TOTAL & DIRECT

University of Vermont Medical Center

Reference Range

Conjugated Bilirubin: ≥ 1 month: ≤ 0.3 mg/dL
Unconjugated Bilirubin: ≥ 1 month: ≤ 1.1 mg/dL
Total Bilirubin (Measured): 1 month up to 12 years: ≤ 0.7 mg/dL
12 years up to 18 years: ≤ 0.8 mg/dL
18 years and up: < 1.4 mg/dL

BBPN BLOOD BANK PRENATAL STUDY

University of Vermont Medical Center

Reference Range

See individual tests.

CBCDF BLOOD COUNT AND DIFFERENTIAL, COMPLETE

University of Vermont Medical Center

Reference Range

Age and gender specific, see report.

CBC BLOOD COUNT, COMPLETE

University of Vermont Medical Center

Reference Range

Age and gender specific, see report

LAB3031 BLOOD GAS, ARTERIAL

University of Vermont Medical Center

Reference Range

pH

Age	Sex	Low	High	Units
0 - 1 day	All	7.26	7.49	N/A
1 day - 7 days	All	7.29	7.45	N/A
≥ 7 days	All	7.35	7.45	N/A

pCO₂

Age	Sex	Low	High	Units
0 - 1 day	All	27	40	mmHg
1 day - 7 days	All	27	41	mmHg
≥ 7 days	All	35	45	mmHg

pO₂

Age	Sex	Low	High	Units
0 - 1 day	All	55	80	mmHg
1 day - 7 days	All	54	95	mmHg
≥ 7 days	All	80	105	mmHg

tCO₂

Age	Sex	Low	High	Units
All	All	22	26	mmol/L

BE

Age	Sex	Low	High	Units
All	All	-2	3	N/A

BD

Age	Sex	Low	High	Units
All	All	-3	2	N/A

O₂sat

Age	Sex	Low	High	Units
All	All	95	98	%

LAB3033 BLOOD GAS, CORD BLOOD ARTERIAL

University of Vermont Medical Center

Reference Range — BLOOD GAS, CORD BLOOD ARTERIAL

Component	Age	Sex	Low	High	Units
pH	All	All	7.18	7.38	N/A
pCO ₂	All	All	42	71	mmHg
pO ₂	All	All		< 31	mmHg
tCO ₂	All	All	14	22	mmol/L
BE	All	All	-7	1.8	N/A
BD	All	All	-1.8	7	N/A

LAB3173 BLOOD GAS, CORD VENOUS

University of Vermont Medical Center

Reference Range – BLOOD GAS, CORD VENOUS

Component	Age	Sex	Low	High	Units
pH	All	All	7.25	7.45	N/A
pCO2	All	All	31	53	mmHg
pO2	All	All	17	41	mmHg
tCO2	All	All	14	22	mmol/L
BE	All	All	-7	0.6	N/A
BD	All	All	-0.6	7	N/A

LAB3032 BLOOD GAS, VENOUS

University of Vermont Medical Center

Reference Range – BLOOD GAS, VENOUS

Component	Age	Sex	Low	High	Units
pH	All	All	7.31	7.41	N/A
pCO2	All	All	41	51	mmHg
pO2	All	All	30	50	mmHg
tCO2	All	All	22	28	mmol/L
BE	All	All	-2	3	N/A
BD	All	All	-3	2	N/A
O2sat	All	All	60	85	%

MAR BONE MARROW EXAM

University of Vermont Medical Center

BPPCR BORDETELLA PERTUSSIS PCR

University of Vermont Medical Center

Reference Range

Negative

PA-BTB BRAIN TUMOR BIOPSY

University of Vermont Medical Center

PA-BC BREAST CARCINOMA SPECIMEN

University of Vermont Medical Center

LAB140 BUN

University of Vermont Medical Center

Reference Range – BUN

Age	Sex	Low	High	Units
0 - 15 days	All	3	23	mg/dL
15 days - 1 year	All	3	17	mg/dL
1 year - 10 years	All	9	22	mg/dL
10 years - 18 years	Male	7	21	mg/dL
10 years - 18 years	Female	7	19	mg/dL
≥18 years	All	10	26	mg/dL

**BUP BUPRENORPHINE AND METABOLITES
SCREEN, URINE**

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

LAB149 C-REACTIVE PROTEIN

University of Vermont Medical Center

Reference Range

Age	Sex	Normal	Units
All ages	All	<10	mg/L

CDIFBD C. DIFFICILE, PCR

University of Vermont Medical Center

Reference Range

Negative for C. difficile toxin by PCR

C3CS C3 COMPLEMENT

University of Vermont Medical Center

Reference Range – C3 COMPLEMENT

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All		81	157	mg/dL

C4CS *C4 COMPLEMENT*

University of Vermont Medical Center

Reference Range – C4 COMPLEMENT

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All		13	39	mg/dL

CA125T CA 125

University of Vermont Medical Center

Reference Range

≥17: < 30 U/mL

LAB3619 CA 19-9

University of Vermont Medical Center

Reference Range

≥17 years: < 35 U/mL

LAB853 CA 27.29

University of Vermont Medical Center

Reference Range

≥18 years: <38 U/mL

LAB53 CALCIUM

University of Vermont Medical Center

Reference Range – CALCIUM

Age	Sex	Low	High	Units
0 - 1 year	All	8.3	10.6	mg/dL
1 year - 18 years	All	8.9	10.2	mg/dL
≥18 years	All	8.5	10.5	mg/dL

UCA24 CALCIUM, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

≥18 years: 100 - 300 mg/24 Hour (Assumes a normal daily intake of calcium between 600 - 800 mg/day)

UCAR CALCIUM, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference ranges.

LAB9934 CALCULATED CALCIUM

University of Vermont Medical Center

Reference Range – CALCULATED CALCIUM

Age	Sex	Low	High	Units
0 - 1 year	All	8.3	10.6	mg/dL
1 year - 18 years	All	8.9	10.2	mg/dL
≥ 18 years	All	8.5	10.5	mg/dL

UCN2 CANNABINOIDS SCREEN, URINE

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

LAB21 CARBAMAZEPINE

University of Vermont Medical Center

Reference Range

All ages: Therapeutic Range: 4 – 12.0 ug/mL

CO2 CARBON DIOXIDE

University of Vermont Medical Center

Reference Range – CARBON DIOXIDE

Age	Sex	Low	High	Units
All	All	22	32	mmol/L

CHB CARBOXYHEMOGLOBIN

University of Vermont Medical Center

Reference Range

All ages:
Non-smoker: <5%
Smoker: <10%

CD1920 CD19 CD20 PANEL

University of Vermont Medical Center

Reference Range

CD19: 6 - 24%
CD20: 6 - 24%
Patients being treated with Rituximab should have CD19 and CD20 percentages of <1%.

CEA CEA

University of Vermont Medical Center

Reference Range

≥18 years all sexes:
0 - 2.5 in 98.2% of Nonsmokers and 87.3% of Smokers
2.6 – 5 in 1.8% of Nonsmokers and 8% of smokers
5.1 – 10.1 in 4.7% of Smokers

RCEA CEA REPEAT

University of Vermont Medical Center

Reference Range

0 - 2.5 in 98.2% of Nonsmokers and 87.3% of Smokers
2.6 – 5.0 in 1.8% of Nonsmokers and 8% of smokers
5.1 – 10.1 in 4.7% of Smokers

LAB2736 CELIAC DISEASE PANEL

University of Vermont Medical Center

Reference Range

If TTAB positive (>10) and IgA normal:
"Celiac disease possible. Consider referral to gastroenterology specialist for consideration for biopsy."

If IgA is age-specific normal and TTAB is equivocal (4-10 U/mL):
"Equivocal serology, celiac disease cannot be excluded. Referral to gastroenterology specialist recommended for additional evaluation."

If IgA is age specific normal and TTAB is negative (<4.0 U/mL):
"Negative Serology. Celiac disease unlikely. Approximately 10% of patient with celiac disease are seronegative. Patients who are already adhering to a gluten-free diet may be seronegative. If celiac disease is highly clinically suspected, referral to gastroenterology for additional

evaluation is recommended."

If IgA ≥ 6.7 mg/dl, but lower than age-specific normal and TTAB is negative (<10 U/mL): "Low total serum IgA; Recommend referral to gastroenterology specialist for additional evaluation."

If IgA is below detection (≤ 6.7 mg/dl) and TTAB is negative (<10 U/mL):
"Total serum IgA deficiency; Recommend referral to gastroenterology specialist for additional evaluation."

CCT CELL COUNT & DIFFERENTIAL, CSF

University of Vermont Medical Center

Reference Range

Age and gender specific, see report.

FCT CELL COUNT, FLUID

University of Vermont Medical Center

Reference Range

Appearance: Clear, Pale Yellow
Cell Count: 0-8 Lymphocytes/cumm

SYNCT CELL COUNT, SYNOVIAL FLUID

University of Vermont Medical Center

Reference Range

Nucleated Cell Count: 0-200/cumm
Mono/Macro: 55-75%
Lymphocytes: 10-20%
Neutrophils: 10-24%

LAB2664 CHLAMYDIA (CT) & NEISSERIA GONORRHOEAE (GC or NG) AMPLIFIED RNA

University of Vermont Medical Center

Reference Range

Negative

TPCTGC CHLAMYDIA/GC AMPLIFIED RNA, THIN PREP

University of Vermont Medical Center

Reference Range

Negative

CL CHLORIDE

University of Vermont Medical Center

Reference Range – CHLORIDE

Age	Sex	Low	High	Units
All	All	96	110	mmol/L

UCL24 CHLORIDE, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

≥18 years 24 Hour Sample: 110 - 250 mmol/L

UCLR CHLORIDE, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No Established Reference Range

CHOL CHOLESTEROL

University of Vermont Medical Center

Reference Range

Male & Female

0 to 18 years: <170 mg/dL
≥ 18 years: <200 mg/dL

FCHOL CHOLESTEROL, FLUID

University of Vermont Medical Center

Reference Range

No Established Reference Range

LAB101 CHOLESTEROL, HDL

University of Vermont Medical Center

Reference Range — CHOLESTEROL, HDL

Age	Sex	Low	High	Units
0 - 18 years	All	>45		mg/dL
≥18 years	Male	≥40		mg/dL
≥18 years	Female	≥50		mg/dL

**NHDLCH CHOLESTEROL/NON-HDL
CALCULATED**

University of Vermont Medical Center

Reference Range – CHOLESTEROL/NON-HDL CALCULATED

Age	Sex	Low	High	Units
0 - 18 years	All		<120	mg/dL
≥18 years	All		<160	mg/dL

LAB14969 CHROMOGENIC FACTOR VIII

University of Vermont Medical Center

Reference Range

≥ 18 years: 43.2 – 159.3%

LAB9912 CHROMOSOME ANALYSIS

University of Vermont Medical Center

LAB62 CK

University of Vermont Medical Center

Reference Range – CK

Age	Sex	Low	High	Units
≥ 18	Female	30	135	U/L
≥ 18	Male	0	250	U/L

ONCCMP *CMP, HEME ONC USE ONLY*

University of Vermont Medical Center

Reference Range

See individual Tests.

CMVIGG *CMV IgG ANTIBODY*

University of Vermont Medical Center

Reference Range

All ages and sexes:

Negative: Absence of detectable CMV IgG antibodies. A negative result generally indicates that the patient is susceptible to CMV.

Equivocal: Recommend collecting a second sample for testing in no less than one to two weeks.

Positive: Presence of detectable CMV IgG antibodies.

LAB2011 *COAG SPIN AND FREEZE*

University of Vermont Medical Center

Reference Range

N/A

UCOCA2 *COCAINE SCREEN, URINE*

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

PA-CC *COLON CARCINOMA SPECIMEN*

University of Vermont Medical Center

CMP *COMPREHENSIVE METABOLIC PANEL*

University of Vermont Medical Center

Reference Range

See individual Tests.

DATP *COOMBS, DIRECT*

University of Vermont Medical Center

Reference Range

Negative

BB-CORD *CORD BLOOD ROUTINE*

University of Vermont Medical Center

CORTI *CORTISOL*

University of Vermont Medical Center

Reference Range – CORTISOL

Age	Sex	Physiological Status	Low	High	Units
≥18 years old	All	Before 10 am	4	23	ug/dL
≥18 years old	All	After 5 pm	2	14	ug/dL

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

LAB711 CORTISOL STIMULATION 30 MINUTES

University of Vermont Medical Center

Reference Range

Baseline: 4-23 ug/dL

A cortisol value of ≥ 18 ug/dL at the Baseline, 30 min, or 60 min sample is consistent with normal adrenal function.

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

LAB2042 CORTISOL STIMULATION 60 MINUTES

University of Vermont Medical Center

Reference Range

Baseline: 4-23 ug/dL

A cortisol value of ≥ 18 ug/dL at the Baseline, 30 min, or 60 min sample is consistent with normal adrenal function.

The results of this assay can be falsely elevated due to the consumption of Biotin. Please instruct patients to discontinue the use

of vitamins or supplements that contain Biotin 12 hours before blood collection.

LAB511 CORTISOL STIMULATION BASELINE

University of Vermont Medical Center

Reference Range

Baseline: 4-23 ug/dL

A cortisol value of ≥ 18 ug/dL at the Baseline, 30 min, or 60 min sample is consistent with normal adrenal function.

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

LAB14319 COVID-19 TESTING

UVMMC

CRCL CREATININE CLEARANCE

University of Vermont Medical Center

Reference Range — CREATININE CLEARANCE

Age	Sex	Low	High	Unit
≥ 18 years	Female	88	128	mL/min
≥ 18 years	Male	97	137	mL/min

FCREA CREATININE, FLUID

University of Vermont Medical Center

Reference Range

No Established Reference Range

LAB66 CREATININE, SERUM

University of Vermont Medical Center

Reference Range – CREATININE, SERUM

Age	Sex	Low	High	Units
0 - 15 days	All	0.31	0.86	mg/dL
15 days - 2 years	All	0.09	0.33	mg/dL
2 years - 5 years	All	0.18	0.40	mg/dL
5 years - 12 years	All	0.28	0.57	mg/dL
12 years - 15 years	All	0.42	0.76	mg/dL
15 years - 18 years	Male	0.58	1.01	mg/dL
15 years - 18 years	Female	0.45	0.78	mg/dL
≥18 years	Male	0.66	1.25	mg/dL
≥18 years	Female	0.52	1.04	mg/dL

UCR24 CREATININE, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range – CREATININE, URINE, 24 HOUR

Age	Sex	Physiological Status	Low	High	Units
≥18 Years	Female		0.8	1.8	g/24-hour
≥18 Years	Male		1.0	2.0	g/24-hour

UCRR CREATININE, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No Established Reference Range

CCAG CRYPTOCOCCAL ANTIGEN, CSF

University of Vermont Medical Center

Reference Range

Negative (no Cryptococcal Antigen detected)

SCAG CRYPTOCOCCAL ANTIGEN, SERUM

University of Vermont Medical Center

Reference Range

Negative (No cryptococcal antigen detected)

FCR CRYSTAL ANALYSIS, FLUID

University of Vermont Medical Center

Reference Range

No crystals seen

CCPG CYCLIC CITRULLINATED PEPTIDE (CCP) ANTIBODY

University of Vermont Medical Center

Reference Range

≥19 years: Negative: <5 U/mL
≥19 years: Positive: ≥ 5 U/mL

CYCSCR CYCLOSPORINE DRUG SCREEN PANEL, BLOOD

University of Vermont Medical Center

Reference Range

See individual tests.

CYCLO CYCLOSPORINE, BLOOD

University of Vermont Medical Center

Reference Range

Therapeutic Range: 50 - 250 ng/mL (the goal level is based on clinical content)

LAB9914 CYTOGENETICS FIBROBLAST CULTURE FOR SEND OUT

University of Vermont Medical Center

LAB9906 CYTOLOGY BODY FLUID

University of Vermont Medical Center

LAB9906 (f) CYTOLOGY BRONCHIAL BRUSHING/WASHING AND TRANSBRONCHIAL ASPIRATES

University of Vermont Medical Center

LAB9906 (d) CYTOLOGY CSF

University of Vermont Medical Center

LAB9906 (c) CYTOLOGY ESOPHAGEAL BRUSH

University of Vermont Medical Center

LAB9906 (b) CYTOLOGY GASTRIC BRUSH

University of Vermont Medical Center

LAB9906 (e) CYTOLOGY NIPPLE DISCHARGE

University of Vermont Medical Center

LAB9906 (h) CYTOLOGY SPUTUM

University of Vermont Medical Center

LAB9906 (k) Cytology Urinary Tract Brush - Wash

University of Vermont Medical Center

LAB9906 (g) CYTOLOGY URINE - VOIDED

University of Vermont Medical Center

LAB313 D-DIMER

University of Vermont Medical Center

Reference Range

≤230 ng/mL DDU (DDIMER Units)

Any use of the age-adjusted cutoff value is a post-analytic modification of this FDA-approved test and is considered "off-label" use of the test result. UVMMC laboratory does not have literature to support the validity of age-adjusted cutoff for our specific assay.

DEXSPR DEXAMETHASONE SUPPRESSION TEST

University of Vermont Medical Center

Reference Range

Non-suppression: ≥ 1.8 ug/dL

Suppression (normal): < 1.8 ug/dL

DHESS DHEA SULFATE

University of Vermont Medical Center

Reference Range – DHEA SULFATE

Age	Sex	Physiological Status	Low	High	Units
15-20 years	Female		61	494	ug/dL
20-25 years	Female		134	407	ug/dL
25-35 years	Female		96	512	ug/dL
35-45 years	Female		75	410	ug/dL
45-55 years	Female		56	283	ug/dL
55-65 years	Female		30	182	ug/dL
65-70 years	Female		34	79	ug/dL
15-20 years	Male		45	385	ug/dL
20-24 years	Male		238	539	ug/dL
25-35 years	Male		168	592	ug/dL
35-45 years	Male		140	484	ug/dL
45-55 years	Male		136	448	ug/dL
55-65 years	Male		49	362	ug/dL
65-70 years	Male		228	284	ug/dL

DIALH2 DIALYSIS HEPATITIS

University of Vermont Medical Center

Reference Range

See individual tests.

**DIFFAD DIFFERENTIAL BLOOD COUNT-
HEMATOLOGY USE ONLY**

University of Vermont Medical Center

Reference Range

MALE and FEMALE		
Age	Cell Type	Absolute Number - x 10 ³
>18 Years	Neutrophil	2.20 - 8.85
>18 Years	Lymphocyte	1.09 - 3.30
>18 Years	Monocyte	0.10 - 0.8*
>18 Years	Eosinophil	0.03 - 0.61
>18 Years	Basophil	0.01 - 0.11
>18 Years	Immature Grans	0.00 - 0.06
>18 Years	Ret	0.5 - 2.5 %

References: MCHV normal value data from Employee Health Samples - 1994 (95% confidence range) - NE-8000 cell counter
Males: N=49
Female N=64

9/3/98 adult Monocyte reference range adjusted for Gen*S (N=37)
Ranges were verified by 2012 study on the Beckman Coulter DxH 800

DIGOX DIGOXIN

University of Vermont Medical Center

Reference Range

All ages Therapeutic Range: 0.8 - 2.0 ng/mL

DRVV DILUTE RUSSELL VIPER VENOM TIME

University of Vermont Medical Center

Reference Range

Dilute Russell Viper Venom Time: Varies according to reagent lot. See report.

DONSCR DONOR SCREENING PANEL, IVF ONLY

University of Vermont Medical Center

UDS11 DRUG SCREEN 11, URINE (ED, L&D and UVM Student Health ONLY)

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

EBVPAN EBV PANEL

University of Vermont Medical Center

Reference Range**All Ages:**

VCA IgG: Negative,
VCA IgM: Negative,
EBNA IgG: Negative Interpretation: Results indicate no previous exposure to Epstein-Barr virus.

VCA IgG: Positive
VCA IgM: Positive
EBNA IgG: Negative Interpretation: Results indicate recent infection with Epstein-Barr virus.

VCA IgG: Positive,
VCA IgM: Negative,
EBNA IgG: Positive Interpretation: Results indicate past infection with Epstein-Barr virus.

VCA IgG: Positive,
VCA IgM: Negative,
EBNA IgG: Negative Interpretation: Indeterminate, result might indicate recent infection with Epstein-Barr virus. Time of infection cannot be definitively determined in absence of EBNA IgG.

VCA IgG: Negative,
VCA IgM: Positive,
EBNA IgG: Negative Interpretation: Result indicates recent infection with Epstein-Barr virus.

VCA IgG: Negative,
VCA IgM: Positive,
EBNA IgG: Positive Interpretation: Result indicates recent infection with Epstein-Barr virus.

VCA IgG: Positive,
VCA IgM: Positive,
EBNA IgG: Positive Interpretation: Result indicates recovery from or recent reactivation with Epstein-Barr virus.

VCA IgG: Negative,
VCA IgM: Negative,
EBNA IgG: Positive Interpretation: Indeterminate, suggest recollection if clinically indicated.

VCA IgG, VCA IgM, and/or EBNA IgG: Equivocal Interpretation: Indeterminate, suggest recollection if clinically indicated.

LYT ELECTROLYTES PANEL

University of Vermont Medical Center

Reference Range

See individual tests.

ULYT ELECTROLYTES PANEL, URINE

University of Vermont Medical Center

Reference Range

See individual Tests.

PA-EM ELECTRON MICROSCOPY

University of Vermont Medical Center

EHEXP2 EMPLOYEE HEALTH EXPOSURE

University of Vermont Medical Center

Reference Range

HIVSS2: Negative
HBSAG: Negative
HCVQU: Undetected

**EEHC EMPLOYEE NEEDLE STICK
RECOMMENDATIONS**

University of Vermont Medical Center

Reference Range

HIVSS2: Negative
HBSAG: Negative
HCVQU: Target not detected

ENAPNL ENA PANEL

University of Vermont Medical Center

Reference Range

All Ages
Negative: <20 Units
Weak Positive: 20-39 Units
Moderate Positive: 40-80 Units
Strong Positive: >80 Units

ENVGE ENTEROVIRUS PCR, CSF

University of Vermont Medical Center

Reference Range

Negative

LAB523 ESTRADIOL, ADULTS

University of Vermont Medical Center

Reference Range — ESTRADIOL, ADULTS

Age	Sex	Physiological Status	Low	High	Units
≥18 years	Female	Follicular Phase (-12 to -4 days)	20	144	pg/mL
≥18 years	Female	Mid Cycle (-3 to 2 days)	64	357	pg/mL
≥18 years	Female	Luteal Phase (+4 to 12 days)	56	214	pg/mL
≥18 years	Female	Post Menopausal		<32	pg/mL
≥18 years	Male			<40	pg/mL

PA-ESTREC ESTROGEN RECEPTOR ASSAY

University of Vermont Medical Center

ETOH ETHANOL, BLOOD

University of Vermont Medical Center

Reference Range

<10 mg/dL in abstaining adults

ETHYL ETHYLENE GLYCOL, QUANTITATIVE

University of Vermont Medical Center

Reference Range

All Ages: <5 mg/dL

PA-EYE EYE PATHOLOGY

University of Vermont Medical Center

FA10 FACTOR 10 ASSAY

University of Vermont Medical Center

Reference Range

86 – 195%

FA11 FACTOR 11 ASSAY

University of Vermont Medical Center

Reference Range

62 – 145%

FA12 FACTOR 12 ASSAY

University of Vermont Medical Center

Reference Range

52 – 146%

FA13AG FACTOR 13 ANTIGEN

University of Vermont Medical Center

Reference Range

Range varies according to reagent lot, see report or call Coagulation at 847-5121.

FA2 FACTOR 2 ASSAY

University of Vermont Medical Center

Reference Range

73 – 133%

LAB304 FACTOR 5 ASSAY

University of Vermont Medical Center

Reference Range

63 – 135%

FA7 FACTOR 7 ASSAY

University of Vermont Medical Center

Reference Range

51 – 161%

FA8 FACTOR 8 ASSAY

University of Vermont Medical Center

Reference Range

53 – 143%

FA9 FACTOR 9 ASSAY

University of Vermont Medical Center

Reference Range

75 – 150%

PA-FTR FATTY TUMOR RESECTION

University of Vermont Medical Center

FECBD FECAL BACTERIAL PATHOGENS BY PCR

University of Vermont Medical Center

Reference Range

No Salmonella spp. DNA detected.
No Shigella spp. or Enteroinvasive E.coli DNA detected.
No Campylobacter spp. (jejuni or coli) DNA detected.
No shiga toxin producing genes detected.

LAB3281 FECAL LACTOFERRIN FOR WBC

University of Vermont Medical Center

Reference Range

Absence of elevated lactoferrin

LAB3626 FECES CULTURE UNUSUAL PATHOGENS

University of Vermont Medical Center

Reference Range

No Aeromonas sp., Plesiomonas, Yersinia enterocolitica, or Vibrio sp. isolated.

LAB68 FERRITIN

University of Vermont Medical Center

Reference Range – FERRITIN

Age	Sex	Low	High	Units
0 - 15 days	All	6	421	ng/mL
15 days - 6 months	All	6	421	ng/mL
6 months - 1 year	All	6	421	ng/mL
1 year - 5 years	All	13	89	ng/mL
5 years - 14 years	All	13	89	ng/mL
14 years - 18 years	Male	11	135	ng/mL
14 years - 18 years	Female	7	76	ng/mL
≥18 years	All	10	291	ng/mL

RFFN FETAL FIBRONECTIN

University of Vermont Medical Center

Reference Range

Negative

A Positive fFN result may be observed in patients who have experienced cervical disruption caused by, but not limited to, events such as sexual intercourse, digital cervical examination, and/or vaginal probe ultrasound.

BB-FETALSCR FETAL SCREEN

University of Vermont Medical Center

FIB FIBRINOGEN

University of Vermont Medical Center

Reference Range

Varies according to reagent lot. See report or call, if needed.

LAB9906 (a) FINE NEEDLE ASPIRATE CYTOLOGY

University of Vermont Medical Center

LAB9913 FISH TESTING (FLUORESCENCE IN SITU HYBRIDIZATION)

University of Vermont Medical Center

FOL FOLATE

University of Vermont Medical Center

Reference Range

≥18 years:

Normal: >5.4 ng/mL

Indeterminate: 3.4 – 5.4 ng/mL

Deficient: <3.4 ng/mL

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

LAB2477 FREE LIGHT CHAINS, SERUM

University of Vermont Medical Center

Reference Range

≥18 year Male

Kappa free light chain: 0.33 – 1.94 mg/dL

Lambda free light chain: 0.57 – 2.63 mg/dL

Kappa/Lambda free light chain ratio: 0.26 – 1.65 mg/dL

≥18 year Female

Kappa free light chain: 0.33 – 1.94 mg/dL

Lambda free light chain: 0.57 – 2.63 mg/dL

Kappa/Lambda free light chain ratio: 0.26 – 1.66 mg/dL

FRS FROZEN SECTION

University of Vermont Medical Center

FSH FSH

University of Vermont Medical Center

Reference Range – FSH

Age	Sex	Physiological Status	Low	High	Units
≥13 years	Female	Follicular(-12 to-4 days)	2.5	10.2	mIU/mL
≥13 years	Female	Midcycle(-3 to +2 days)	3.4	33.4	mIU/mL
≥13 years	Female	Luteal(+4 to +12 days)	1.5	9.1	mIU/mL
≥18 years	Female	Postmenopausal	23.0	116.3	mIU/mL
13-70 years	Male	N/A	1.4	18.1	mIU/mL

FSM FUNGAL SMEAR

University of Vermont Medical Center

Reference Range

No fungi seen

FC FUNGUS CULTURE

University of Vermont Medical Center

Reference Range

No fungus isolated

FCS FUNGUS CULTURE & SMEAR (C + S)

University of Vermont Medical Center

Reference Range

No fungus isolated

LAB2535 FUNGUS CULTURE, BLOOD

University of Vermont Medical Center

Reference Range

No fungus isolated

FCSK FUNGUS CULTURE, SKIN, HAIR OR NAIL

University of Vermont Medical Center

Reference Range

No fungus isolated.

FCSKS FUNGUS CULTURE, SKIN, HAIR OR NAIL, & SMEAR

University of Vermont Medical Center

Reference Range

No fungus isolated.

PA-GEA GASTROESOPHAGEAL ADENOCARCINOMA SPECIMEN

University of Vermont Medical Center

GPST GENE PANEL SOLID TUMOR TESTING

University of Vermont Medical Center

LAB15291 GENEPANEL HEME

Vermont Department of Health Laboratory

EXTHLD GENETIC TESTING SUPPORT FOR INHERITED DISEASE OR INHERITED RISK

University of Vermont Medical Center

LAB17353 GENOMIC DNA TEST (POPULATION HEALTH SCREEN)

University of Vermont Medical Center

Reference Range

N/A

GENTP GENTAMICIN, PEAK

University of Vermont Medical Center

Reference Range – GENTAMICIN, PEAK

Age	Sex	Physiological Status	Low	High	Units
All	All	Peak	5.0	12.0	ug/mL

GENTA *GENTAMICIN, RANDOM*

University of Vermont Medical Center

Reference Range

No Established Reference Range.

GENTT *GENTAMICIN, TROUGH*

University of Vermont Medical Center

Reference Range – GENTAMICIN, TROUGH

Age	Sex	Physiological Status	Low	High	Units
All	All	Trough		<1.5	ug/mL
All	All	Call Value		>1.5	ug/mL

LAB85 GGT (GAMMA GT)

University of Vermont Medical Center

Reference Range – GGT (GAMMA GT)

Age	Sex	Low	High	Units
0 - 15 days	Male	19	196	U/L
15 days - 1 year	Male		≤113	U/L
1 year - 11 years	Male		≤13	U/L
11 years - 18 years	Male		≤17	U/L
≥18 years	Male	15	73	U/L
0 - 15 days	Female	19	196	U/L
15 days - 1 year	Female		≤113	U/L
1 year - 11 years	Female		≤13	U/L
11 years - 18 years	Female		≤17	U/L
≥18 years	Female		<44	U/L

GICR *GIARDIA & CRYPTOSPORIDIUM
ANTIGEN DETECTION*

University of Vermont Medical Center

Reference Range

No Giardia Antigen Detection and No Cryptosporidium Antigen Detected

GT1 *GLUCOSE TOLERANCE, 1 HOUR SCREEN
(GESTATIONAL)*

University of Vermont Medical Center

Reference Range

1 Hour Plasma Glucose: 70 - 134 mg/dL

LAB2182 *GLUCOSE TOLERANCE, 2 HOUR*

University of Vermont Medical Center

Reference Range — GLUCOSE TOLERANCE, 2 HOUR

Age	Sex	Physiological Status	Low	High	Units
All	All	Fasting Non-gestational	70	99	mg/dL
All	All	2-Hour Non-gestational	70	139	mg/dL

**LAB2183 GLUCOSE TOLERANCE, 3-HOUR
(GESTATIONAL)**

University of Vermont Medical Center

Reference Range – GLUCOSE TOLERANCE, 3-HOUR (GESTATIONAL)

Age	Sex	Physiological Status	Low	High	Units
All	Female	Fasting	70	94	mg/dL
All	Female	1-Hour Plasma Glucose	70	179	mg/dL
All	Female	2-Hour Plasma Glucose	70	154	mg/dL
All	Female	3-Hour Plasma Glucose	70	139	mg/dL

CGL *GLUCOSE, CSF*

University of Vermont Medical Center

Reference Range

60-80% of serum glucose.

FGL *GLUCOSE, FLUID*

University of Vermont Medical Center

Reference Range

No established reference range.

GL *GLUCOSE, PLASMA*

University of Vermont Medical Center

Reference Range – GLUCOSE, PLASMA

Age	Sex	Physiological Status	Low	High	Units
0 - 1 day	All	Fasting	40	100	mg/dL
1 - 7 days	All	Fasting	50	100	mg/dL
≥7 days	All	Fasting	70	100	mg/dL

GLS *GLUCOSE, SCREENING*

University of Vermont Medical Center

Reference Range – GLUCOSE, SCREENING

Age	Sex	Physiological Status	Low	High	Units
0 - 1 day	All	Fasting	40	100	mg/dL
1 - 7 days	All	Fasting	50	100	mg/dL
≥7 days	All	Fasting	70	100	mg/dL

A glucose of >180 mg/dL will trigger a Hemoglobin A1C order.

LAB82 *GLUCOSE, SERUM*

University of Vermont Medical Center

Reference Range – GLUCOSE, SERUM

Age	Sex	Physiological Status	Low	High	Units
0 - 1 day	All	Fasting	40	100	mg/dL
1 - 7 days	All	Fasting	50	100	mg/dL
≥7 days	All	Fasting	70	100	mg/dL

LAB396 *GLUCOSE, URINE, 24 HOUR*

University of Vermont Medical Center

Reference Range

All ages: <500 mg/dL

LAB15179 *GLUCOSE, URINE, RANDOM*

University of Vermont Medical Center

Reference Range

All ages: <30 mg/dL

SXBPEN *GROUP B STREP FOR PENICILLIN ALLERGIC PATIENTS*

University of Vermont Medical Center

Reference Range

Negative

SXBBD *GROUP B STREP, PCR*

University of Vermont Medical Center

Reference Range

Negative

HAPTS *HAPTOGLOBIN*

University of Vermont Medical Center

Reference Range — HAPTOGLOBIN

Age	Sex	Physiological Status	Low	High	Units
>18 years	All		32	197	mg/dL

LAB144 HCG FOR ACCUTANE MONITORING

University of Vermont Medical Center

Reference Range

Pregnancy:

Negative: Less than 5 mIU/mL

Indeterminant: Between 5 and 25 mIU/mL, recommend repeat testing in 48 hours

Positive: Greater than 25 mIU/mL

The results of this assay can be **falsely lowered** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

HCVQU1 HCV RNA DETECTION

QUANTITATION PCR

University of Vermont Medical Center

Reference Range

All ages: Undetected

HCVRX2 HCV RNA QUANT BY PCR WITH

REFLEX TO GENOTYPE

University of Vermont Medical Center

Reference Range

All ages: Undetected

HPSA HELICOBACTER PYLORI STOOL

ANTIGEN TESTING

University of Vermont Medical Center

Reference Range

All ages: Negative

Performance characteristics have not been established for watery, diarrheal stools. False negative results may be obtained within 2 weeks of treatment with antimicrobials, bismuth, or proton pump inhibitors. A negative result in such a situation should be followed up with repeat testing at least 2 weeks after discontinuation of therapy.

HPYAP HELICOBACTER PYLORI BY

IMMUNOHISTOCHEMISTRY

University of Vermont Medical Center

Reference Range

Negative or Positive

HCT HEMATOCRIT

University of Vermont Medical Center

Reference Range – HEMATOCRIT

Age	Sex	Physiological Status	Low	High	Units
≥18 years	Female		34.9	44.4	%
≥18 years	Male		39.5	50.2	%
12-17 years	Female		36.0	46.0	%
12-17 years	Male		37.0	49.0	%
6-11 years	All		35.0	45.0	%
2-5 years	All		34.0	40.0	%
6-23 months	All		33.0	39.0	%
3-5 months	All		29.0	41.0	%
<3 months	All		28.0	42.0	%

FHCT HEMATOCRIT, BODY FLUID

University of Vermont Medical Center

Reference Range

No reference range

MHT HEMATOCRIT, SPUN

University of Vermont Medical Center

Reference Range – HEMATOCRIT, SPUN

Age	Sex	Physiological Status	Low	High	Units
≥18 years	Female		34.9	44.4	%
≥18 years	Male		39.5	50.2	%
12-17 years	Female		36.0	46.0	%
12-17 years	Male		37.0	49.0	%
6-11 years	All		35.0	45.0	%
2-5 years	All		34.0	40.0	%
6-23 months	All		33.0	39.0	%
3-5 months	All		29.0	41.0	%
<3 months	All		28.0	42.0	%

HGB *HEMOGLOBIN*

University of Vermont Medical Center

Reference Range – HEMOGLOBIN

Age	Sex	Physiological Status	Low	High	Units
≥18 years	Female		11.6	15.2	gm/dL
≥18 years	Male		13.8	17.3	gm/dL
12-17 years	Female		12.0	16.0	gm/dL
12-17 years	Male		13.0	16.0	gm/dL
6-11 years	All		11.5	15.5	gm/dL
2-5 years	All		11.5	13.5	gm/dL
6-23 months	All		10.5	13.5	gm/dL
3-5 months	All		9.5	13.5	gm/dL
<3 months	All		9.0	14.0	gm/dL

LAB90 HEMOGLOBIN A1C

University of Vermont Medical Center

Reference Range

The following A1c interpretive data reflect the 2017 American Diabetes Association (ADA) guidelines and will be reported with each A1c result:

Normal: <5.7%

Prediabetes: 5.7 - 6.4%

Diagnostic for diabetes (if confirmed): ≥6.5%

Goals for glycemic control in diabetes (ADA 2017)

<7% - The A1c target for nonpregnant adults with diabetes.

More or less stringent targets may be appropriate for individual patients.

<7.5% - The A1c target for children and adolescents with type 1 diabetes.

HBA2 HEMOGLOBIN A2

University of Vermont Medical Center

Reference Range – HEMOGLOBIN A2

Age	Sex	Physiological Status	Low	High	Units
≥1 year	All		2.2	3.2	%

ACIDH HEMOGLOBIN ELECTROPHORESIS, ACID

University of Vermont Medical Center

Reference Range

All ages: No abnormal hemoglobins identified

SIC HEMOGLOBIN S SCREEN (a.k.a. sickle cell solubility)

University of Vermont Medical Center

Reference Range

Negative

False negatives may occur in infants less than 6 months of age due to elevated levels of Hemoglobin F. It is recommended, therefore, that infants not be tested prior to six months of age.

HBF HEMOGLOBIN, FETAL

University of Vermont Medical Center

Reference Range – HEMOGLOBIN, FETAL

Age	Sex	Physiological Status	Low	High	Units
≥1 year	All		<2%		%

HBEVAL HEMOGLOBIN/THALASSEMIA EVALUATION

University of Vermont Medical Center

Reference Range

All ages: No abnormal hemoglobins identified

LAB9906 (i) HEMOSIDERIN LADEN MACROPHAGES

University of Vermont Medical Center

HEPUFH HEPARIN LEVEL-UFH

University of Vermont Medical Center

Reference Range

THERAPEUTIC HEPARIN RANGE:

Unfractionated heparin therapeutic range 0.3 – 0.7 IU/mL. Results may not be reliable for direct thrombin inhibitors or pentasaccharides such as fondaparinux.

HEPLMW HEPARIN LEVEL, LOW MOLECULAR WEIGHT (LMWH)

University of Vermont Medical Center

Reference Range

THERAPEUTIC HEPARIN RANGE

(for **twice-a-day dosing**, peak sample drawn 4 hours post subcutaneous injection) for treatment of venous thromboembolism: Adults and children: 0.5 – 1.1 IU/mL Newborn: 0.5 - 1.0 IU/mL

(for **once-a-day dosing**, peak sample drawn 4 hours post subcutaneous injection) for treatment of venous thromboembolism: 1.0 – 2.0 IU/mL Patient sample tested against Low Molecular Weight heparin – Results may not be reliable for unfractionated heparin, pentasaccharide (Fondaparinux) or Danaparoid (ORGARAN).

LIVR HEPATIC FUNCTION PANEL

University of Vermont Medical Center

Reference Range

See individual tests, Albumin, Alkaline Phosphatase, ALT, AST, Direct Bilirubin, Total Bilirubin, and Total Protein.

HAIGM2 HEPATITIS A ANTIBODY IgM

University of Vermont Medical Center

Reference Range

All ages: Negative

The results of this assay can be **falsely lowered** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

HAAB2 HEPATITIS A ANTIBODY WITH REFLEX

University of Vermont Medical Center

Reference Range

All ages: Negative

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood draw.

HAABN HEPATITIS A TOTAL ANTIBODY - IMMUNITY

University of Vermont Medical Center

Reference Range

All ages: Negative

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood draw.

HBCOR HEPATITIS B CORE ANTIBODY

University of Vermont Medical Center

Reference Range

All ages: Negative

HEPB2 HEPATITIS B PROFILE

University of Vermont Medical Center

Reference Range

See individual Tests.

HBABQ2 HEPATITIS B SURFACE ANTIBODY

University of Vermont Medical Center

Reference Range

HBABQL: Vaccinated - Positive, Unvaccinated - Negative
HBABQT: <10.0 mIU/mL - Negative, ≥10.0 mIU/mL - Positive

HBSAG HEPATITIS B SURFACE ANTIGEN

University of Vermont Medical Center

Reference Range

All ages: Negative

HCSCR2 HEPATITIS C ANTIBODY WITH REFLEX TO HCV RNA BY PCR

University of Vermont Medical Center

Reference Range

All ages: Negative

HEPACU HEPATITIS PROFILE - ACUTE

University of Vermont Medical Center

Reference Range

See individual tests

HEPUNK HEPATITIS PROFILE, CHRONIC UNKNOWN TYPE

University of Vermont Medical Center

Reference Range

See individual tests

HER2A HER2 TEST

University of Vermont Medical Center

Reference Range

0-1+ negative for Her2 protein overexpression, 2-3+ positive for Her2 protein overexpression, (See Reference Ranges for clarification).

A 3+ Her2Test result has an approximate 95% correlation with gene amplification studies. A 2+ result is also considered positive; however 2+ tumors have much lower Trastuzumab (Herceptin). All new breast cancers are tested using insitu hybridization to evaluate.

LAB3753 HERPES SIMPLEX VIRUS, PCR

University of Vermont Medical Center

Reference Range

No virus detected

LAB150 HIGH SENSITIVITY CRP

University of Vermont Medical Center

Reference Range

Risk Level	Age/Sex	Range	Units
Less Risk	All	<1.0	mg/L
Average Risk	All	1.0 - 3.0	mg/L
High Risk	All	>3.0	mg/L
*Indeterminate	All	>10.0	mg/L

*May be an indication of inflammation or infection.

LAB159 HIV 1 & 2 ANTIGEN AND ANTIBODY, 4TH GENERATION

University of Vermont Medical Center

Reference Range

All ages: Negative

LAB14299 HIV 1 RNA QUANT WITH REFLEX TO GENOTYPE

University of Vermont Medical Center

Reference Range

All ages: Undetected

HIVQU1 HIV 1 RNA QUANTITATION

University of Vermont Medical Center

Reference Range

All ages: Undetected

HIVDI HIV ANTIBODY CONFIRMATION/ DIFFERENTIATION

University of Vermont Medical Center

Reference Range

All ages: Negative

HIVSS2 HIV, RAPID 1 & 2 ANTIBODY

University of Vermont Medical Center

Reference Range

All ages: Negative

HCY HOMOCYSTEINE

University of Vermont Medical Center

Reference Range — HOMOCYSTEINE

Age	Sex	Physiological Status	Low	High	Units
≥18 year	All		5	13.9	umol/L

HPVON HPV AMPLIFIED RNA, HIGH RISK

University of Vermont Medical Center

Reference Range

Negative for HPV. No E6 or E7 mRNA detected from HPV types 16,18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, and 68.

HPVGTP HPV GENOTYPE 16, 18/45, THINPREP

University of Vermont Medical Center

Reference Range

Negative for HPV types 16 and 18/45.

LAB947 HSV TYPE 1&2 ANTIBODY, IgG

University of Vermont Medical Center

Reference Range

All ages: Negative

AIO IDENTIFY ISOLATED ANAEROBE

University of Vermont Medical Center

IO IDENTIFY ISOLATED ORGANISM

University of Vermont Medical Center

LAB1077 IgA

University of Vermont Medical Center

Reference Range — IgA

Age	Sex	Low	High	Units
0 - 1 year	All		≤10	mg/dL
1 year - 3 years	All		≤80	mg/dL
3 years - 6 years	All	10	140	mg/dL
6 years - 14 years	All	30	220	mg/dL
14 years - 18 years	All	40	290	mg/dL
≥18 years	All	84.5	499	mg/dL

IGE *IgE*

University of Vermont Medical Center

Reference Range – IgE

ge	Sex	Physiological Status	Low	High	Units
0 - 1 year	All	N/A	<52		IU/mL
1 - 5 years	All	N/A	<352		IU/mL
5 - 11 years	All	N/A	<393		IU/mL
11 - 16 years	All	N/A	<170		IU/mL
≥16 years	All	N/A	<158		IU/mL

LAB71 IgG

University of Vermont Medical Center

Reference Range – IgG

Age	Sex	Low	High	Units
0 - 15 days	All	320	1210	mg/dL
15 days - 1 year	All	150	630	mg/dL
1 year - 4 years	All	320	990	mg/dL
4 years - 10 years	All	500	1170	mg/dL
10 years - 18 years	All	600	1310	mg/dL
≥18 years	All	610	1616	mg/dL

IGGIN *IgG INDEX, CSF*

University of Vermont Medical Center

Reference Range

≥18 years:

CSF IgG/Albumin Ratio: ≤ 0.24 ratio

CSF IgG Index: ≤ 0.84 index;
CSF IgG Synthesis Rate: ≤ 8 mg/24-hours

CIGG *IgG, CSF*

University of Vermont Medical Center

Reference Range — IgG, CSF

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All		0.0	5.0	mg/dL

LAB72 IgM

University of Vermont Medical Center

Reference Range – IgM

Age	Sex	Low	High	Units
0 - 15 days	All		≤30	mg/dL
15 days - 91 days	All	10	70	mg/dL
91 days - 1 year	All	10	80	mg/dL
1 year - 18 years	Male	40	140	mg/dL
1 year - 18 years	Female	50	180	mg/dL
≥18 years	All	35	242	mg/dL

LAB17564 IMMATURE PLATELET FRACTION (IPF)

University of Vermont Medical Center

Reference Range

Adult reference range is 1.2 - 8.6%

PA-IMMUNO IMMUNOFLUORESCENCE

University of Vermont Medical Center

LAB166 IMMUNOGLOBULINS

University of Vermont Medical Center

Reference Range

See individual Tests.

LAB174 IMMUNOTYPING/ELECTROPHORESIS

University of Vermont Medical Center

Reference Range

All ages: Negative for Monoclonal Immunoglobulins

IOFLUR INPATIENT / OUTPATIENT INFLUENZA, RSV, PCR

University of Vermont Medical Center

Reference Range

No virus detected

LAB527 INSULIN

University of Vermont Medical Center

Reference Range — INSULIN

Age	Sex	Low	High	Units
0 - 1 year	All	<23.5		uIU/m
1 - 6 years	All	<40.2		uIU/m
6 - 19 years	All	<49.7		uIU/m
≥19 years	All	<29		uIU/m

LAB2039 IONIZED CALCIUM

University of Vermont Medical Center

Reference Range – IONIZED CALCIUM

Age	Sex	Low	High	Units
0 - 1 month	All	1.00	1.50	mmol/L
1 month - 6 months	All	0.95	1.50	mmol/L
≥6 months	All	1.14	1.35	mmol/L

LAB94 IRON

University of Vermont Medical Center

Reference Range – IRON

Age	Sex	Low	High	Units
0 - 14 years	All	27	141	ug/dL
14 years - 18 years	Male	42	182	ug/dL
14 years - 18 years	Female	31	176	ug/dL
≥18 years	All	49	181	ug/dL

LAB829 IRON BINDING CAPACITY

University of Vermont Medical Center

Reference Range – IRON BINDING CAPACITY

Age	Sex	Low	High	Units
0 - 3 months	All	59	175	ug/dL
3 months - 18 years	All	250	400	ug/dL
≥18 years	All	240	450	ug/dL

BB-ISOHQL ISOHEMAGGLUTININS

University of Vermont Medical Center

**BB-ISOHQN ISOHEMAGGLUTININS,
QUANTITATIVE**

University of Vermont Medical Center

KARYOTYPE KARYOTYPE

University of Vermont Medical Center

PA-KIDNEY KIDNEY BIOPSY

University of Vermont Medical Center

LAB15186 KLEIHAUER TEST, BLOOD

University of Vermont Medical Center

Reference Range

Negative

**LAB3695 LAB URINE CHEMICAL (DIP),
AUTOMATED - DOES NOT REFLEX TO
CULTURE**

University of Vermont Medical Center

Reference Range

Specific Gravity	1.001 - 1.035
Bilirubin	Negative
Blood	Negative
Glucose	Negative
Ketones	Negative
Leukocyte Esterase	Negative
Nitrite	Negative
Protein	Negative
Urobilinogen	0.2 - 1.0 mg/dL
pH	4.6 - 8.0

LACTIC LACTIC ACID

University of Vermont Medical Center

Reference Range

All ages: \leq 2.0 mmol/L

CLAC LACTIC ACID, CSF

University of Vermont Medical Center

Reference Range

No established reference range available.

LAB96 LDH

University of Vermont Medical Center

Reference Range – LDH

Age	Sex	Low	High	Units
0 - 15 days	All		\leq 580	U/L
15 days - 1 year	All		\leq 580	U/L
1 year - 10 years	All	195	349	U/L
10 years - 15 years	Male	177	358	U/L
10 years - 15 years	Female	146	297	U/L
15 years - 18 years	Male	134	314	U/L
15 years - 18 years	Female	120	250	U/L
\geq 18 years	All	120	246	U/L

FLDH *LDH, FLUID*

University of Vermont Medical Center

Reference Range

No established reference range.

LDL *LDL CALCULATED*

University of Vermont Medical Center

Reference Range

Male & Female

0 - 18 years: <110 mg/dL

≥18 years: <160 mg/dL

LAB3245 *LDL, DIRECT*

University of Vermont Medical Center

Reference Range

Male & Female

0 - 18 years: <110 mg/dL

≥18 years: <160 mg/dL

LAB98 *LEAD*

University of Vermont Medical Center

Reference Range

All ages: <2.0 µg/dL

LEGUAG *LEGIONELLA ANTIGEN DETECTION, URINE*

University of Vermont Medical Center

Reference Range

No legionella antigen detected

LAB9911 *LEUKEMIA/LYMPHOMA PANEL BY FLOW CYTOMETRY*

University of Vermont Medical Center

Reference Range

No Reference Ranges

LAB87 *LH*

University of Vermont Medical Center

Reference Range – LH

Age	Sex	Physiological Status	Low	High	Units
0 - 20 years	Male		<6.0		mIU/mL
20 years - 70 years	Male		1.5	9.3	mIU/mL
≥70 years	Male		3.1	34.6	mIU/mL
	Female	Pre-Pubertal	<6.0		mIU/mL
	Female	Follicular	1.9	12.5	mIU/mL
	Female	Mid Cycle	8.7	76.3	mIU/mL
	Female	Luteal	0.5	16.9	mIU/mL
	Female	Post menopausal	15.9	54.0	mIU/mL

LAB99 LIPASE

University of Vermont Medical Center

Reference Range – LIPASE

Age	Sex	Low	High	Units
0 - 18 years	All		≤148	U/L
≥18 years	All		<251	U/L

FLIPA LIPASE, FLUID

University of Vermont Medical Center

Reference Range

No established reference range.

LLMACRO LIPID LADEN MACROPHAGES

University of Vermont Medical Center

LPR LIPID PANEL

University of Vermont Medical Center

Reference Range

See individual tests.

LITH LITHIUM

University of Vermont Medical Center

Reference Range – LITHIUM

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All	Therapeutic Range	0.6	1.2	mEq/L
≥18 years	All	Potentially Toxic		>1.5	mEq/L

Therapeutic range not established for individuals <18 years old.

LAB3629 LUPUS ANTICOAGULANT CASCADE

University of Vermont Medical Center

Reference Range

See report.

LAB16207 LYME AB CONFIRMATION (CLIA)

University of Vermont Medical Center

Reference Range

All ages:
Lyme IgG Ab: Negative
Lyme IgM Ab: Negative

LAB3035 LYME ANTIBODY

University of Vermont Medical Center

Reference Range

All ages: Negative

PA-LYMPH LYMPH NODE BIOPSY

University of Vermont Medical Center

LYNN Lynn ID test (Design work in progress)

University of Vermont Medical Center

Reference Range

Therapeutic: 10 – 30 ug/mL
Possible Toxicity: 150 – 200 ug/mL
Probable Toxicity: >200 ug/mL
Toxicity is best measured 4 hours post dose/ingestion.

LAB103 MAGNESIUM

University of Vermont Medical Center

Reference Range — MAGNESIUM

Age	Sex	Low	High	Units
0 - 7 days	All	1.2	2.6	mg/dL
7 days - 6 years	All	1.5	2.4	mg/dL
6 years - 18 years	All	1.5	2.3	mg/dL
≥18 years	All	1.7	2.8	mg/dL

UMAG24 MAGNESIUM, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range – MAGNESIUM, URINE, 24 HOUR

Age	Sex	Physiological Status	Low	High	Units
All	All		12	192	mg/24-Hours

UMAGR *MAGNESIUM, URINE, RANDOM*

University of Vermont Medical Center

Reference Range

No established reference range.

MEASL *MEASLES IgG ANTIBODY*

University of Vermont Medical Center

Reference Range

Negative – Absence of detectable measles virus IgG antibodies. A negative result generally indicated that the patient is susceptible to measles.

Equivocal – Recommend collecting a second sample for testing in no less than one to two weeks.

Positive – Presence of detectable measles virus IgG antibodies.

PA-MMB *METASTATIC MELANOMA BIOPSY*

University of Vermont Medical Center

UMTD2 *METHADONE SCREEN, URINE*

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

MAMP *METHAMPHETAMINE SCREEN, URINE*

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

MET *METHEMOGLOBIN*

University of Vermont Medical Center

Reference Range

All ages: <1.5%

MTXT *METHOTREXATE*

University of Vermont Medical Center

Reference Range

Dependent on Therapy Protocol

AMA *Mitochondrial Antibodies (M2), Serum*

Mayo Clinic Laboratories in Rochester

Reporting Name

Mitochondrial Ab, M2, S

Reference Values

Negative: <0.1 Units

Borderline: 0.1-0.3 Units

Weakly positive: 0.4-0.9 Units

Positive: ≥1.0 Units

Reference values apply to all ages.

CSPORA *MODIFIED ACID FAST PARASITOLOGY*

University of Vermont Medical Center

Reference Range

No Cryptosporidium, Cyclospora or Isospora seen by Modified Kinyoun Carbol Fuschin stain. Physician will be notified of positive results.

FIOM *MOLD IDENTIFICATION, PLATE SUBMITTED*

University of Vermont Medical Center

Reference Range

Mold identified to genus/species level

LAB17401 *MOLECULAR VAGINITIS/ VAGINOSIS ASSAY*

University of Vermont Medical Center

Reference Range

Negative

LAB3206 *MONOCLONAL PROTEIN DIAGNOSTIC PANEL, SERUM*

University of Vermont Medical Center

Reference Range

See individual tests.

LAB3205 *MONOCLONAL PROTEIN MONITORING PANEL, SERUM*

University of Vermont Medical Center

Reference Range

See individual tests.

LAB205 *MONOCLONAL STUDY URINE, RANDOM*

University of Vermont Medical Center

Reference Range

Negative for free monoclonal light chains.

LAB2027 *MONOCLONAL STUDY, URINE, 24 HOUR*

University of Vermont Medical Center

MONO *MONOSPOT*

University of Vermont Medical Center

Reference Range

All ages: Negative

MRSBD MRSA PCR

University of Vermont Medical Center

Reference Range

No Staphylococcus aureus DNA detected by PCR

MUMG MUMPS ANTIBODY IgG

University of Vermont Medical Center

Reference Range

All ages:

Negative – Absence of detectable mumps virus IgG antibodies. A negative result generally indicates that the patient is susceptible to mumps.

Equivocal – Recommend collecting a second sample for testing in no less than one to two weeks.

Positive – Presence of detectable mumpsvirus IgG antibodies.

PA-MUSCLE MUSCLE BIOPSY

University of Vermont Medical Center

SPUTBB MYCOBACTERIUM TUBERCULOSIS, PCR

University of Vermont Medical Center

Reference Range

No Mycobacterium tuberculosis complex DNA detected by PCR.

A single negative result has a high negative predictive value and can be used in conjunction with other clinical findings to decide whether to remove suspected tuberculosis patients from isolation.

PA-NERVE NERVE BIOPSY

University of Vermont Medical Center

MIS-NEWBORN NEWBORN SCREEN

Vermont Department of Health Laboratory

LAB106 NT-proBNP

University of Vermont Medical Center

Reference Range – NT-proBNP

Age	Sex	Low	High	Units
0 - 3 days	All	321	11,987	pg/mL,
3 days - 12 days	All	263	5,918	pg/mL
12 days - 1 year	All	27	646	pg/mL
1 year - 2 years	All	39	413	pg/mL
2 years - 6 years	All	23	289	pg/mL
6 years - 14 years	All	10	157	pg/mL
14 years - 18 years	All	6	158	pg/mL
18 years - 75 years	All		<125	pg/mL
≥75 years	All		<450	pg/mL

The results of this assay can be falsely lowered due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection. NT-proBNP values less than 300 pg/mL have a 98% negative predictive value for excluding acute congestive heart failure.

LAB697 OCCULT BLOOD, FECES, DIAGNOSTIC

University of Vermont Medical Center

Reference Range

Negative

LAB694 OCCULT BLOOD, FECES, SCREENING

University of Vermont Medical Center

Reference Range

Negative

UOP2 OPIATE SCREEN, URINE

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

OCSC ORAL CAVITY SCRAPINGS FOR CYTOLOGY

University of Vermont Medical Center

IOSUSC ORGANISM IDENTIFICATION & SUSCEPTIBILITY

University of Vermont Medical Center

OSM OSMOLALITY, SERUM

University of Vermont Medical Center

Reference Range – OSMOLALITY, SERUM

Age	Sex	Physiological Status	Low	High	Units
All ages	All	N/A	275	295	mOsm/kg

LAB107 OSMOLALITY, URINE

University of Vermont Medical Center

Reference Range – OSMOLALITY, URINE

Age	Sex	Low	High	Units
0 - 1 year	All	50	750	mOsm/kg
≥1 year	All	150	1,150	mOsm/kg

LAB955 OVA & PARASITE EXAMINATION

University of Vermont Medical Center

Reference Range

No ova and parasites seen

UOXY2 OXYCODONE SCREEN, URINE

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

OSAT OXYGEN SATURATION

University of Vermont Medical Center

Reference Range

O₂ Saturation: 95 - 98%
Oxyhemoglobin: 89 - 96%
Deoxyhemoglobin: <5%

LAB9907 PAP TEST, THINPREP, IMAGE-ASSISTED

University of Vermont Medical Center

Reference Range

Negative for intraepithelial lesion or malignancy.

LAB2545 PARASITE EXAM, BLOOD

University of Vermont Medical Center

Reference Range

No blood parasite seen. Positives are reported by phone immediately.

PTHIN PARATHYROID HORMONE, INTACT

University of Vermont Medical Center

Reference Range

All ages: 19 - 88 pg/mL

PTHOP PARATHYROID HORMONE, INTACT, INTRAOPERATIVE

University of Vermont Medical Center

Reference Range

All ages: 19 - 88 pg/mL

PDL1 PD-L1 IMMUNOHISTOCHEMISTRY

University of Vermont Medical Center

PH PH

University of Vermont Medical Center

Reference Range

All ages: 7.31 - 7.41

STLPH PH, FECES

University of Vermont Medical Center

Reference Range

All ages: 6.0 - 7.0.

UPH pH, URINE

University of Vermont Medical Center

Reference Range

All ages: 4.6 - 8.0

LAB502 PHARYNGITIS CULTURE

University of Vermont Medical Center

Reference Range

No Group A Streptococci

PCP PHENCYCLIDINE SCREEN (PCP), URINE

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

LAB30 PHENOBARBITAL

University of Vermont Medical Center

Reference Range

All ages: Therapeutic Range: 15 – 40 µg/mL

LAB176 PHENYTOIN

University of Vermont Medical Center

Reference Range

Therapeutic Range: 10 – 20 µg/mL

LAB113 PHOSPHORUS

University of Vermont Medical Center

Reference Range — PHOSPHORUS

Age	Sex	Low	High	Units
0 - 15 days	All	5.9	10.9	mg/dL
15 days - 1 year	All	5.1	8.8	mg/dL
1 year - 5 years	All	4.5	7.1	mg/dL
5 years - 13 years	All	4.4	6.3	mg/dL
13 years - 16 years	Male	3.8	6.5	mg/dL
13 years - 16 years	Female	3.4	5.8	mg/dL
16 years - 18 years	All	3.2	5.3	mg/dL
≥18 years	All	2.5	4.5	mg/dL

UPHO24 PHOSPHORUS, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

All ages: 0.4 - 1.3 g/24 Hours

UPHOSR PHOSPHORUS, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range.

PLTAGG PLATELET AGGREGATION AND SECRETION ASSAY

University of Vermont Medical Center

Reference Range

Interpretive Report

PLTC PLATELET COUNT

University of Vermont Medical Center

Reference Range — PLATELET COUNT

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All		141	377	K/cmm
<18 years	All		156	312	K/cmm

LAB318 PLATELET FUNCTION ANALYSIS

University of Vermont Medical Center

Reference Range

COL/EPI: 94 – 193 Seconds
COL/ADP: 71 – 118 Seconds

PMAA PLATELET MAPPING FOR ASPIRIN (ARACHIDONIC ACID)

University of Vermont Medical Center

Reference Range

Normal platelet function without evidence of significant inhibition using the arachidonic acid agonist.

PMADPA PLATELET MAPPING FOR ASPIRIN & PLAVIX

University of Vermont Medical Center

Reference Range

Normal platelet function without evidence of significant inhibition using the ADP and arachidonic acid.

PMADP PLATELET MAPPING FOR PLAVIX (ADP)

University of Vermont Medical Center

Reference Range

Normal platelet function without evidence of significant inhibition using the ADP agonist.

PLPH PLEURAL FLUID pH

University of Vermont Medical Center

Reference Range

No established reference range.

LAB9906 (j) PNEUMOCYSTIS PREP

University of Vermont Medical Center

POC1 POCT ACTIVATED CLOTTING TIME, KAOLIN iSTAT

University of Vermont Medical Center

Reference Range

All ages:
74 - 137 Secon (Pre-Heparin)
≥ 480 Seconds (3 minutes post heparin dose during CPB)

CHIEMP-1 POCT BASIC LIPID & GLUCOSE

University of Vermont Medical Center

Reference Range

Total Cholesterol
Less than 200 mg/dL = Desirable
200-239 mg/dL = Borderline High

Greater than 240 mg/dL = High

HDL Cholesterol**Guidelines**

Less than 40 mg/dL = low

Greater than 60 mg/dL = High

TC/HDL Ratio Guidelines

Less than 4.0 = desirable

Greater than 6.0 = High Risk of CHD

Glucose Normal Reference Ranges

70-100 mg/dL = Adult (fasting)

70-140 mg/dL = Adult (non-fasting)

POC11 POCT BLOOD GAS, CG4 iSTAT

University of Vermont Medical Center

Reference Range

Arterial:

pH:

0-1 day: 7.26-7.49

1-7 days: 7.29-7.45

≥7 days: 7.35-7.45

pCO2:

0-1 day: 27-40 mmHg

1-7 days: 27-41 mmHg

≥7 days: 35-45 mmHg

pO2:

0-1 days: 55-80 mmHg

1-7 days: 54-95 mmHg

≥7 days: 80-105 mmHg

All Ages: **HCO3**, Calculated: 22-26

TCO2, Calculated: 23-27 mmol/L

BE, Calculated: -2 to +3 mmol/L

sO2, Calculated: 95-98%

Lactate: 0.36-1.25 mmol/L

Venous All Ages::

pH: 7.31-7.41

pCO2: 41-51 mmHg

pO2: N/A

HCO3, Calculated: 23-28 mmol/L

TCO2, Calculated: 24-29 mmol/L

BE, Calculated: -2 to +3 mmol/L

sO2, Calculated: N/A

Lactate: ≤2.0 mmol/L

POC22 POCT BLOOD GAS, CG8, iSTAT

University of Vermont Medical Center

Reference Range

Arterial:

pH:

0-1 day: 7.26-7.49

1-7 days: 7.29-7.45

≥7 days: 7.35-7.45

pCO2:

0-1 day: 27-40 mmHg

1-7 days: 27-41 mmHg

≥7 days: 35-45 mmHg

pO2:

0-1 day: 55-80 mmHg

1-7 days: 54-95 mmHg

≥7 days: 80-105 mmHg

HCO3, Calculated: All Ages: 22-26 mmol/L

TCO2, Calculated: All Ages: 23-27 mmol/L

BE, Calculated: All Ages: -2 to +3 mmol/L

sO2, Calculated: All Ages: 95-98%

Sodium: All Ages: 136-145 mmol/L

Potassium:

0-8 days 3.2-5.5 mmol/L

8 days - 1 months: 3.4-6.0 mmol/L

1-6 months: 3.5-5.6 mmol/L

6 months-1 year: 3.5-6.1 mmol/L

1-17 years: 3.3-4.6 mmol/L

≥17 years: 3.5-5.0 mmol/L

Glucose Fasting:

0-1 day: 40-100 mg/dL

1-8 days: 50-100 mg/dL

≥8 days: 70-100 mg/dL

Calcium, Ionized:

0-1 month: 1.0-1.5 mmol/L

1-6 months: 0.95-1.5 mmol/L

≥6 months: 1.12-1.32 mmol/L

Hematocrit:

0-3 months: 28.0-42.0%

3-6 months: 29.0-41.0%

6 months-2 years: 33.0-39.0%

2-6 years: 34.0-40.0%

6-12 years: 35.0-45.0%

12-18 years: 37.0-49.0%

≥18 years: 39.5-50.2%

Venous: All Ages:

pH: 7.31-7.41

pCO2: All Ages: 41-51 mmHg

pO2: N/A

HCO3, Calculated: All Ages: 23-28 mmol/L

TCO2, Calculated: All Ages: 24-29 mmol/L

BE, Calculated: All Ages: -2 to +3 mmol/L

sO2, Calculated: N/A

Sodium: All Ages: 136-145 mmol/L

Potassium:

0-8 days: 3.2-5.5 mmol/L

8 days- 1 months: 3.4-6.0 mmol/L

1-6 months: 3.5-5.6 mmol/L

6 months-1 y: 3.5-6.1 mmol/L

1-17 years: 3.3-4.6 mmol/L

≥17 years: 3.5-5.0 mmol/L

Glucose: Fasting:

0-1 day: 40-100 mg/dL

1-8 days: 50-100 mg/dL

≥8 days: 70-100 mg/dL

Calcium, Ionized:

0-1 month: 1.0-1.5 mmol/L

1-6 months: 0.95-1.5 mmol/L

≥6 months: 1.12-1.32 mmol/L

Hematocrit:

0-3 months: 28.0-42.0%

3-6 months: 29.0-41.0%

6 months-2 years: 33.0-39.0%

2-6 years: 34.0-40.0%

6-12 years: 35.0-45.0%

12-18 years: 37.0-49.0%

≥18 years: 39.5-50.2%

POC17 POCT BLOOD GAS, EG6 iSTAT

University of Vermont Medical Center

Reference Range

pH:

Venous: All ages 7.31-7.41

Arterial: 0-1 day old: 7.26-7.49

1-7 days old: 7.29-7.45

>7 days old: 7.35-7.45

PCO2: **Arterial** **Venous**

0-1 day old: 27-40 mm/Hg 27-40 mm/Hg

1-7 days old: 27-41 mm/Hg 27-41 mm/Hg

>7 days old: 35-45 mm/Hg 41-51 mm/Hg

PO2: **Arterial** **Venous:**

0-1 day old: 55-80 mm/Hg

1-7 days old: 54-95 mm/Hg

7 days-Adult: 80-105 mm/Hg N/A

HCO3 Calculated: **Arterial** **Venous**
22-26 mmol/L 23-28 mmol/dL

TCO2 Calculated: **Arterial** **Venous**
23-27 mmol/L 24-29 mmol/dL

BE Calculated: **Arterial and Venous**
-2-3 mmol/L

sO2 Calculated: **Arterial** **Venous**
95-98% N/A

Sodium: **Arterial and Venous**
136-145 mmol/L

Potassium: Arterial and Venous

0-8 days old: 3.2-5.5 mmol/L

8 days- 1 month old: 3.4-6.0 mmol/L

1-6 months old: 3.5-5.6 mmol/L

6 months-1 year old: 3.5-6.1 mmol/L

1-17 years old: 3.3-4.6 mmol/L

≥17 years old: 3.5-5.0 mmol/L

Hematocrit: **Arterial and Venous**

	Male	Female
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0-3 months old:	28.0-42.0%	28.0-42.0%
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3-6 months old:	29.0-41.0%	29.0-41.0%
-----------------	------------	------------

6 months-2 years old:	33.0-39.0%	33.0-39.0%
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2-6 years old:	34.0-40.0%	34.0-40.0%
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6-12 years old:	35.0-45.0%	35.0-45.0%
-----------------	------------	------------

12-18 years old:	37.0-49.0%	36.0-46.0%
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≥18 years old:	40.0-50.0%	35.0-44.0%
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POC47 POCT CREATININE, iSTAT

University of Vermont Medical Center

Reference Range

MALE

0-2 months: 0.31-0.92 mg/dL

2 months-1 years: 0.16-0.39 mg/dL

1-3 years: 0.17-0.35 mg/dL

3-5 years: 0.26-0.42 mg/dL

5-7 years: 0.29-0.48 mg/dL

7-9 years: 0.34-0.55 mg/dL

9-11 years: 0.32-0.64 mg/dL

11-13 years: 0.42-0.71 mg/dL

13-15 years: 0.46-0.81 mg/dL

15-18 years: 0.6-1.0 mg/dL

≥18 years: 0.66-1.25 mg/dL

FEMALE

0-2 months: 0.31-0.92 mg/dL

2 months-1 year: 0.16-0.39 mg/dL

1-3 years: 0.17-0.35 mg/dL

3-5 years: 0.26-0.42 mg/dL

5-7 years: 0.29-0.48 mg/dL

7-9 years: 0.34-0.55 mg/dL

9-11 years: 0.32-0.64 mg/dL

11-13 years: 0.42-0.71 mg/dL

13-15 years: 0.46-0.81 mg/dL

15-18 years: 0.5-0.9 mg/dL

≥18 years: 0.52-1.04 mg/dL

POC21 POCT EC8, iSTAT NICU ONLY

University of Vermont Medical Center

Reference Range

Sodium: All Ages:

136-145 mmol/L

Potassium:

0-8 days old: 3.2-5.5 mmol/L
 8 days- 1 month old: 3.4-6.0 mmol/L
 1-6 months old: 3.5-5.6 mmol/L
 6 months-1 year old: 3.5-6.1 mmol/L
 1-17 years old: 3.3-4.6 mmol/L
 ≥17 years old: 3.5-5.0 mmol/L

Chloride:

96-110 mmol/L

Glucose:

0-1 day old: 40-100 mg/dL
 1-8 days old: 50-100 mg/dL
 >8 days- Adult: 70-100 mg/dL

BUN:**Male****Female**

1-8 days old:	<14 mg/dL	<14 mg/dL
8 days-1 month old:	<17 mg/dL	<16 mg/dL
1-4 months old:	<13 mg/dL	<15 mg/dL
4 months-1 year old:	<15 mg/dL	<14 mg/dL
1-4 years old:	5-17 mg/dL	5-17 mg/dL
4-14 years old:	7-17 mg/dL	7-17 mg/dL
14-18 years old:	8-21 mg/dL	8-21 mg/dL
>18 years old:	10-26 mg/dL	10-26 mg/dL

Hematocrit:**Male****Female**

1-3 months old:	28.0-42.0%	28.0-42.0%
3-6 months old:	29.0-41.0%	29.0-41.0%
6 months-2 years old:	33.0-39.0%	33.0-39.0%
2-6 years old:	34.0-40.0%	34.0-40.0%
6-12 years old:	35.0-45.0%	35.0-45.0%
12-18 years old:	37.0-49.0%	36.0-46.0%
≥18 years old:	39.5-50.2%	39.9-44.4%

<1 month old not established

pH:

Venous: All ages 7.31-7.41
 Arterial: 0-1 day old: 7.26-7.49
 1-7 days old: 7.29-7.45
 >7 days old: 7.35-7.45

PCO2:**Arterial****Venous**

0-1 day old:	27-40 mm/Hg	27-40 mm/Hg
1-7 days old:	27-41 mm/Hg	27-41 mm/Hg
>7 days old:	35-45 mm/Hg	41-51 mm/Hg

POC50 POCT FERN TEST

University of Vermont Medical Center

Reference Range

Negative (Absent)

POC 10 POCT GLUCOSE

University of Vermont Medical Center

Reference Range

Fasting:
 0-1 day: 40-100 mg/dL
 1-8 days: 50-100 mg/dL
 ≥8 days: 70-100 mg/dL

POC505 POCT GLUCOSE, iSTAT

University of Vermont Medical Center

Reference Range

Fasting:
 0-1 day: 40-100 mg/dL
 1-8 days: 50-100 mg/dL
 ≥8 days: 70-100 mg/dL

POC12 POCT HEMOGLOBIN

University of Vermont Medical Center

Reference Range**MALE**

0-3 months: 9.0-14.0 mg/dL
 3-6 months: 9.5-13.5 mg/dL
 6 months-2 years: 10.5-13.5 mg/dL
 2-6 year: 11.5-13.5 mg/dL
 6-12 years: 11.5-15.5 mg/dL
 12-18 years: 13.0-16.0 mg/dL
 ≥18 years: 13.8-17.3 mg/dL

FEMALE

0-3 months: 9.0-14.0 mg/dL
 3-6 months: 9.5-13.5 mg/dL
 6 months-2 years: 10.5-13.5 mg/dL
 2-6 years: 11.5-13.5 mg/dL
 6-12 years: 11.5-15.5 mg/dL
 12-18 years: 12.0-16.0 mg/dL
 ≥18 years: 11.6-15.2 mg/dL

POC507 POCT HEMOGLOBIN A1c

University of Vermont Medical Center

Reference Range

All Ages: The following A1c interpretive data reflect the 2017 American Diabetes Association (ADA) guidelines and will be reported with each A1c result:

Normal: <5.7%

Prediabetes: 5.7 - 6.4%

Diagnostic for diabetes (if confirmed): ≥6.5%

Goals for glycemic control in diabetes (ADA 2017) <7% - The A1c target for nonpregnant adults with diabetes. More or less stringent targets may be appropriate for individual patients.

<7.5% - The A1c target for children and adolescents with type 1 diabetes.

ID1 POCT HIV

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
HIV	Negative

POC9 POCT KOH PREP (SKIN, HAIR, & NAILS)

University of Vermont Medical Center

Reference Range

All ages: Negative

POC251 POCT LEAD TEST

University of Vermont Medical Center

Reference Range

All ages: <3.3 µg/dL

POC504 POCT OCCULT BLOOD SLIDE TEST x1

University of Vermont Medical Center

Reference Range

All ages: Negative

POC13 POCT OCCULT BLOOD SLIDE TEST x3

University of Vermont Medical Center

Reference Range

All ages: Negative

POC85 POCT pH DIALYSATE

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
pH	See procedure

POC112 POCT pH VAGINAL

University of Vermont Medical Center

Reference Range

See procedure

POC14 POCT RAPID STREP SCREEN

University of Vermont Medical Center

Reference Range

All ages: Negative

POC6 POCT SCABIES

University of Vermont Medical Center

Reference Range

All ages: Negative

POC91 POCT SEMEN ANALYSIS QUALITATIVE

University of Vermont Medical Center

Reference Range

Post Vasectomy: Absent

POC116 POCT SEMEN ANALYSIS, COMPLETE

University of Vermont Medical Center

POC5 POCT URINE DIPSTICK

University of Vermont Medical Center

Reference Range

Analyte	All Ages and Gender Reference Range
Glucose	Negative
Bilirubin	Negative
Ketone	Negative
Specific Gravity	1.001 - 1.035
Blood	Negative
pH	4.6 - 8.0
Protein	Negative
Urobilinogen	0.2 - 1.0 mg/dL
Nitrite	Negative
Leukocytes	Negative

POC508 POCT URINE NICOTINE SCREEN

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
Urine Nicotine Screen	Negative

POC114 POCT URINE PREGNANCY TEST, AUTOMATED

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
Urine Pregnancy Test	Negative

POC7 POCT URINE PREGNANCY TEST, MANUAL

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
Urine Pregnancy Test	Negative

POC8 POCT URINE SEDIMENT

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
WBC	0 - 3/HPF
RBC	0 - 2/HPF
Squamous Epithelial Cells	None seen
Renal Epithelial Cells	None seen
Hyaline Casts	None seen to Few seen
Bacteria	None seen

POC4 POCT VAGINAL WET PREP (INCLUDES KOH)

University of Vermont Medical Center

Reference Range

All Ages: Clue Cells: Absent Trichomonas: Absent Yeast Forms: Absent White Blood Cells: Absent

POC503 POINT OF CARE DRUG SCREEN, URINE

University of Vermont Medical Center

Reference Range

Analyte	Reference Range
Urine Drug Screen All Ages	Negative

This screen is intended for use in clinical monitoring or management of patients.

Adulterants: Temperature: 90-100°F Specific Gravity: 1.005-1.025

Creatinine: 20-200 mg/dL pH: 4.0-9.0

LAB114 POTASSIUM

University of Vermont Medical Center

Reference Range – POTASSIUM

Age	Sex	Low	High	Units
0 - 1 year	All	3.7	6.0	mmol/L
1 year - 18 years	All	3.5	5.0	mmol/L
≥18 years	All	3.5	5.0	mmol/L

LAB436 POTASSIUM, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

25 – 125 mmol/24 hours

UKR POTASSIUM, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range.

**LAB17128 PRE-ECLAMPSIA PROTEIN/
CREATININE RATIO, URINE**

University of Vermont Medical Center

Reference Range

Pregnant Females - All Ages:
<0.30 mg/mg Creatinine

PALBS PREALBUMIN

University of Vermont Medical Center

Reference Range – PREALBUMIN

Age	Sex	Physiological Status	Low	High	Units
≥18 years	All	N/A	20	40	mg/dL

UPT PREGNANCY TEST, URINE

University of Vermont Medical Center

Reference Range

All ages: Negative

LAB2200 PRENATAL PANEL

University of Vermont Medical Center

Reference Range

See individual tests.

BB-PBP PREPARE BLOOD PRODUCTS, ADULT OR CHILD

University of Vermont Medical Center

PROCAL PROCALCITONIN

University of Vermont Medical Center

Reference Range

<0.5 ng/mL – Low risk of severe sepsis
>2.0 ng/mL – High risk of severe sepsis

PA-POC PRODUCTS OF CONCEPTION

University of Vermont Medical Center

ACCU4S PROFILE ACCUTANE FOUR SEASONS DERMATOLOGY

University of Vermont Medical Center

Reference Range

See individual tests.

ACCUNR PROFILE ACCUTANE-NO RISK OF PREGNANCY

University of Vermont Medical Center

Reference Range

See individual tests.

ACCUPR PROFILE ACCUTANE-PREGNANCY RISK

University of Vermont Medical Center

Reference Range

See individual tests.

DARM PROFILE ARMY

University of Vermont Medical Center

Reference Range

See individual tests.

ARTH1 PROFILE ARTHRITIS

University of Vermont Medical Center

Reference Range

Tests included are: ANA IFA and Rheumatoid Factor see individual tests.

ASCDON PROFILE AUTOLOGOUS STEM CELL DONOR

University of Vermont Medical Center

Reference Range

See individual tests.

CFPROF PROFILE CF VITAMIN

University of Vermont Medical Center

DLYS PROFILE DIALYSATE

University of Vermont Medical Center

Reference Range

No established reference range

DIALI PROFILE DIALYSIS IRON

University of Vermont Medical Center

Reference Range

See individual tests.

DIALR PROFILE DIALYSIS ROUTINE

University of Vermont Medical Center

Reference Range

See individual tests.

DIALRH PROFILE DIALYSIS ROUTINE, HOME CARE

University of Vermont Medical Center

Reference Range

See individual tests.

RHEUM PROFILE DMARD

University of Vermont Medical Center

Reference Range

See individual test.

CHCREF PROFILE DOMESTIC HEALTH

UVMC & Mayo Medical Laboratory Rochester

Reference Range

See individual tests.

LAB2177 PROFILE ER CARDIAC PACK

University of Vermont Medical Center

Reference Range

See individual tests.

DONPKG PROFILE IVF DONOR, IVF ONLY

University of Vermont Medical Center

FEMDON PROFILE IVF FEMALE, IVF USE ONLY

University of Vermont Medical Center

NONDON PROFILE IVF NONDONOR

University of Vermont Medical Center

Reference Range

See individual tests.

LIPRX PROFILE LIPID RX 2

University of Vermont Medical Center

Reference Range

See Individual Tests.

METHO PROFILE MTX

University of Vermont Medical Center

Reference Range

See individual tests.

NEPHR PROFILE NEPHROLOGY

University of Vermont Medical Center

Reference Range

See individual tests.

PREFUG PROFILE NEW AMERICAN ASSESSMENT

University of Vermont Medical Center

Reference Range

See individual tests.

PET PROFILE PERITONEAL DIALYSATE

University of Vermont Medical Center

Reference Range

No established reference range.

PITPNL PROFILE PITUITARY FEMALE

UVMC and Mayo Medical Laboratory

Reference Range

See individual tests.

PITPLM PROFILE PITUITARY MALE

UVMC and Mayo Medical Laboratory

Reference Range

See individual tests.

DCOB PROFILE PREECLAMPTIC

University of Vermont Medical Center

Reference Range

See individual tests.

PEPNAT PROFILE PREECLAMPTIC AND PRENATAL

University of Vermont Medical Center

Reference Range

See individual Tests.

PNATOB PROFILE PRENATAL AND HIV

University of Vermont Medical Center

Reference Range

See individual tests.

VPNAT PROFILE PRENATAL AND VARICELLA

University of Vermont Medical Center

Reference Range

See individual tests.

TP1 PROFILE THROMBOSIS, NO COUMADIN

University of Vermont Medical Center

Reference Range

See individual tests.

LAB529 PROGESTERONE

University of Vermont Medical Center

Reference Range – PROGESTERONE

Age	Sex	Physiological Status	Low	High	Units
	Female	Pre-Pubertal		≤0.2	ng/mL
≥18 years	Female	Menstruating, Non-pregnant, Follicular Phase		≤1.4	ng/mL
≥18 years	Female	Menstruating, Non-pregnant, Luteal Phase	3.3	25.6	ng/mL
≥18 years	Female	Menstruating, Non-pregnant, Mid-Luteal Phase	4.4	28.0	ng/mL
≥18 years	Female	Pregnant, 1st Trimester	11.2	90.0	ng/mL
≥18 years	Female	Pregnant, 2nd Trimester	25.6	89.4	ng/mL
≥18 years	Female	Pregnant, 3rd Trimester	48.4	422.5	ng/mL
≥18 years	Female	Postmenopausal		≤0.7	ng/mL
0 - 18 years	Male	N/A		≤0.3	ng/mL
≥18 years	Male	N/A	0.3	1.2	ng/mL

For **ectopic pregnancy**, consult a pathologist.

PA-PROG *PROGESTERONE RECEPTOR ASSAY*

University of Vermont Medical Center

Reference Range

Reported as negative or positive for estrogen receptors in XX% of tumor cells.

LAB531 *PROLACTIN*

University of Vermont Medical Center

Reference Range – PROLACTIN

Age	Sex	Physiological Status	Low	High	Units
0 - 1 month	All	N/A	31	237	ng/mL
1 month - 2 months	All	N/A	24	148	ng/mL
2 months - 3 months	All	N/A	5	99	ng/mL
3 months - 6 months	All	N/A	4	99	ng/mL
6 months - 9 months	All	N/A	4	78	ng/mL
9 months - 12 months	All	N/A	5	39	ng/mL
1 year - 2 years	Male	N/A	3	37	ng/mL
1 year - 2 years	Female	N/A	3	41	ng/mL
2 years - 5 years	Male	N/A	3	34	ng/mL
2 years - 5 years	Female	N/A	3	30	ng/mL
5 years - 9 years	Male	N/A	2	21	ng/mL
5 years - 9 years	Female	N/A	2	22	ng/mL
9 years - 12 years	All	N/A	2	26	ng/mL
12 years - 18 years	Male	N/A	2	23	ng/mL
12 years - 18 years	Female	N/A	3	28	ng/mL
≥18 years	Male	N/A	2.1	17.7	ng/mL
≥18 years	Female	Postmenopausal	1.8	20.3	ng/mL
≥18 years	Female	Pregnant	9.7	208.5	ng/mL
≥18 years	Female	Non-pregnant	2.8	29.2	ng/mL

PPX PROPOXYPHENE SCREEN, URINE

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

CCLOT PROTEIN C, FUNCTIONAL (CLOT-BASED)

University of Vermont Medical Center

Reference Range

Varies according to reagent lot, see report or call if needed.

LAB3650 PROTEIN CREATININE RATIO, URINE

University of Vermont Medical Center

Reference Range

≥ 18 years old: <0.18 mg/mg Creatinine

No reference values have been established for male or female patients <18 years of age.

SCLOT PROTEIN S, FUNCTIONAL (CLOT-BASED)

University of Vermont Medical Center

Reference Range

Varies according to reagent lot, see report or call if needed.

FTP PROTEIN TOTAL, FLUID

University of Vermont Medical Center

Reference Range

No Established Reference Range.

Best interpreted in the context of a paired serum or plasma Total Protein value.

LAB118 PROTEIN TOTAL, SERUM

University of Vermont Medical Center

Reference Range — PROTEIN TOTAL, SERUM

Age	Sex	Low	High	Units
0 - 15 days	All	5.4	8.5	g/dL
15 days - 1 year	All	4.5	7.3	g/dL
1 year - 6 years	All	6.2	7.7	g/dL
6 years - 9 years	All	6.5	7.9	g/dL
9 years - 18 years	All	6.6	8.3	g/dL
≥18 years	All	6.3	8.2	g/dL

LAB195 *PROTEIN, CSF*

University of Vermont Medical Center

Reference Range – PROTEIN, CSF

Age	Sex	Low	High	Units
0 - 30 days	All		<100	mg/dL
30 days - 60 years	All	12	45	mg/dL
≥60 years	All	12	60	mg/dL

UTP24 PROTEIN, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

All ages: <150 mg/24-Hours

UTPR PROTEIN, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range

PTNT Prothrombin G20210A Mutation, Blood

Mayo Clinic Laboratories in Rochester

Reporting Name

Prothrombin G20210A Mutation, B

Reference Values

Negative

LAB320 PROTHROMBIN TIME

University of Vermont Medical Center

Reference Range

Varies according to reagent lot, see report or call if needed.

LAB321 PROTHROMBIN TIME 50/50 MIXING STUDY

University of Vermont Medical Center

Reference Range

Varies according to reagent lot, see report or call if needed.

LAB117 PSA (PROSTATE SPECIFIC ANTIGEN) SCREENING

University of Vermont Medical Center

Reference Range — PSA (PROSTATE SPECIFIC ANTIGEN) SCREENING

Age	Sex	Low	High	Units
0 - 50 years	Male		≤2.5	ng/mL
50 - 60 years	Male		≤3.5	ng/mL
60 - 70 years	Male		≤4.5	ng/mL
≥70 years	Male		≤6.5	ng/mL

**LAB116 PSA (PROSTATE SPECIFIC ANTIGEN),
DIAGNOSTIC**

University of Vermont Medical Center

Reference Range – PSA (PROSTATE SPECIFIC ANTIGEN), DIAGNOSTIC

Age	Sex	Low	High	Units
0 - 50 years	Male		≤2.5	ng/mL
50 - 60 years	Male		≤3.5	ng/mL
60 - 70 years	Male		≤4.5	ng/mL
≥ 70 years	Male		≤6.5	ng/mL

LAB325 PTT

University of Vermont Medical Center

Reference Range

Varies according to reagent lot, see report or call if needed.

PTT50 PTT 50/50 MIXING STUDY

University of Vermont Medical Center

Reference Range

Varies according to reagent lot, see report or call if needed.

LAB1129 PTT, HEPARIN REMOVED

University of Vermont Medical Center

Reference Range

Varies according to reagent lot. See report or call, if needed.

QFTB4 QUANTIFERON TB GOLD PLUS

University of Vermont Medical Center

Reference Range

All ages: Negative

PA-RECBX RECTAL BIOPSY

University of Vermont Medical Center

PA-RTR RENAL TUMOR RESECTION

University of Vermont Medical Center

PREPCA RESEARCH PREP TIME

University of Vermont Medical Center

**RESEXP RESPIRATORY VIRAL PANEL
EXPANDED, PCR**

University of Vermont Medical Center

Reference Range

No virus detected

LAB17561 RETICULOCYTE BATTERY

University of Vermont Medical Center

Reference Range — RETICULOCYTE BATTERY

Component	Age	Sex	Low	High	Units
Reticulocyte Count	All	All	0.5	2.5	%
Reticulocyte Hemoglobin	≥18 years	All	31.2	39.9	pg
*Reticulocyte Hemoglobin	<18 years	All	N/A	N/A	N/A
Immature Reticulocyte Fraction	≥18 years	Female	3.0	15.9	%
Immature Reticulocyte Fraction	≥18 years	Male	2.3	13.4	%
*Immature Reticulocyte Fraction	<18 years	All	N/A	N/A	N/A

. *No reference range currently available for patients under 18.

LAB296 RETICULOCYTE COUNT

University of Vermont Medical Center

Reference Range

0.5 – 2.5%

BB-RHIG RH IMMUNE GLOBULIN

University of Vermont Medical Center

LAB206 RHEUMATOID FACTOR

University of Vermont Medical Center

Reference Range

All sexes:

0 - 15 days: <19.0 IU/mL

≥15 days: <12.0 IU/mL

LAB772 RNP ANTIBODY

University of Vermont Medical Center

Reference Range

All ages:

Negative: <20 Units

Weak Positive: 20-39 Units

Moderate Positive: 40-80 Units

Strong Positive: >80 Units

RUBG2 RUBELLA IgG ANTIBODY

University of Vermont Medical Center

Reference Range

All ages:

Negative: Absence of detectable Rubella virus IgG antibodies. A negative result indicated no detectable antibody, but does not rule out acute infection.

Equivocal: Recommend collecting a second sample for testing in no less than one to two weeks.

Positive: Presence of detectable Rubella virus IgG antibodies.

SALI SALICYLATE

University of Vermont Medical Center

Reference Range

All ages:

Negative: <2 mg/dL

Therapeutic: <20 mg/dL

Possible toxicity: >30 mg/dL

SCONFH SCT CONFIRM HEPZYMED

University of Vermont Medical Center

Reference Range

Reported in seconds. Ranges are subject to change with subsequent reagent lot numbers.

LAB322 SED RATE, WESTERGREN

University of Vermont Medical Center

Reference Range – SED RATE, WESTERGREN

Age	Sex	Low	High	Units
<49 years	Female	0	20	mm/hr
>50 years	Female	0	30	mm/hr
<49 years	Male	0	15	mm/hr
>50 years	Male	0	20	mm/hr

SHBG2 SEX HORMONE BINDING GLOBULIN

University of Vermont Medical Center

Reference Range – SEX HORMONE BINDING GLOBULIN

Age	Sex	Physiological Status	Low	High	Units
0 - 1 month	All	N/A	16	>200	nmol/L
1 month - 13 years	All	N/A	37.5	>200	nmol/L
13 years - 18 years	All	N/A	21.1	152	nmol/L
18 years - 50 years	Male	N/A	11.5	54.5	nmol/L
18 years - 50 years	Female	Pre-menopausal	17.7	138.2	nmol/L
≥50 years	Male	N/A	17.3	71.5	nmol/L
≥50 years	Female	Post-menopausal	23.7	110.6	nmol/L

The results of this assay can be **falsely lowered** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

**HGMON SICKLING HEMOGLOBIN
THERAPEUTIC MONITORING**

University of Vermont Medical Center

Reference Range

No established reference range

**SCCONF SILICA CLOTTING TIME
CONFIRMATION TEST**

University of Vermont Medical Center

Reference Range

Reported in seconds, ranges are subject to change with subsequent reagent lot numbers.

SIRO SIROLIMUS

University of Vermont Medical Center

Reference Range

Therapy dependent

SMAA Sm (SMITH) ANTIBODY

University of Vermont Medical Center

Reference Range

All ages:
Negative: <20 Units
Weak Positive: 20-39 Units
Moderate Positive: 40-80 Units
Strong Positive: >80 Units

LAB122 SODIUM

University of Vermont Medical Center

Reference Range — SODIUM

Age	Sex	Low	High	Units
All	All	136	145	mmol/L

LAB446 SODIUM, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range – SODIUM, URINE, 24 HOUR

Age	Sex	Low	High	Units
0 - 1 month	All	0.3	3.5	mmol/24h
1 month - 16 years	All	40	180	mmol/24h
≥16 years	All	40	220	mmol/24h

UNAR SODIUM, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range

PA-SOFT SOFT TISSUE BIOPSIES

University of Vermont Medical Center

URSG SPECIFIC GRAVITY, URINE

University of Vermont Medical Center

Reference Range

All ages: 1.001 – 1.035

LAB119 SPEP, INCLUDES QUANTITATION OF MONOCLONAL SPIKE

University of Vermont Medical Center

Reference Range — SPEP, INCLUDES QUANTITATION OF MONOCLONAL SPIKE

	Age	Low	High	Units
Albumin	All	3.6	5.2	g/dL
Albumin %	All	55.8	66.1	%
Alpha 1	All	0.15	0.40	g/dL
Alpha 1 %	All	2.9	4.9	%
Alpha 2	All	0.5	1.00	g/dL
Alpha 2 %	All	7.1	11.8	%
Beta	All	0.6	1.2	g/dL
Beta %	All	8.4	13.1	%
Gamma	All	0.6	1.6	g/dL
Gamma %	All	11.1	18.8	%

SPSCN SPERM SCREEN

University of Vermont Medical Center

Reference Range

Vasovasostomy: Sperm present
Post Vasectomy: No motile sperm.

LAB2377 SS-A ANTIBODY

University of Vermont Medical Center

Reference Range

All ages:
Negative: <20 Units
Weak Positive: 20-39 Units
Moderate Positive: 40-80 Units
Strong Positive: >80 Units

LAB2378 SS-B ANTIBODY

University of Vermont Medical Center

Reference Range

For Both SS-A and SS-B all ages:
Negative: <20 Units

Weak Positive: 20-39 Units
Moderate Positive: 40-80 Units
Strong Positive: >80 Units

SSABPL SSA/SSB ANTIBODY PANEL

University of Vermont Medical Center

Reference Range

For Both SS-A and SS-B all ages
Negative: <20 Units
Weak Positive: 20-39 Units
Moderate Positive: 40-80 Units
Strong Positive: >80 Units

SCCPB STEM CELL CD34, BLOOD

University of Vermont Medical Center

Reference Range — STEM CELL CD34, BLOOD

	Age	Sex	Low	High	Units
CD34 Percent Blood	All	All	0.013	0.110	%
Absolute CD34	All	All	0.7	6.9	cells/uL

ATEST STERILIZER TEST

University of Vermont Medical Center

Reference Range

Reported as negative or positive.

**SXPNAG STREP PNEUMONIAE URINE
ANTIGEN DETECTION**

University of Vermont Medical Center

Reference Range

Negative

PA-HARDWARE SURGICAL HARDWARE

University of Vermont Medical Center

LAB9872 SURGICAL PATHOLOGY SPECIMEN

University of Vermont Medical Center

**DECAL SURGICAL TISSUE,
DECALCIFICATION**

University of Vermont Medical Center

PA-SKIN SURGICAL TISSUE, SKIN BIOPSY

University of Vermont Medical Center

SUSC SUSCEPTIBILITY TEST

University of Vermont Medical Center

SWEAT SWEAT TEST

University of Vermont Medical Center

Reference Range

All ages
≤29 mmol/L Unlikely for CF

30-59 mmol/L Intermediate,
≥60 mmol/L Indicative of CF

LAB3037 SYPHILIS SEROLOGY

University of Vermont Medical Center

Reference Range

All ages: Negative

LAB15287 T-CELL SUBSETS

University of Vermont Medical Center

Reference Ranges**≥18 years**

CD3%: 56 – 84%

CD4%: 31 – 64%

CD8%: 9 – 39%

Absolute CD3: 840 - 2,669 cells/uL

Absolute CD4: 488 – 1,734 cells/uL

Absolute CD8: 154 - 1,097 cells/uL

4/8 Ratio: ≥0.9

LAB15288 T, B, NK-CELL SUBSETS

University of Vermont Medical Center

Reference Range**≥18 years**

CD3%: 56 – 84%

CD4%: 31 – 64%

CD8%: 9 – 39%

CD19%: 5 - 25%

CD16+CD56%: 5 - 31%

Absolute CD3: 840 - 2,669 cells/uL

Absolute CD4: 488 – 1,734 cells/uL

Absolute CD8: 154 - 1,097 cells/uL

Absolute CD19: 73 - 562 cells/uL

Absolute CD16+CD56: 108 - 680 cells/uL

4/8 Ratio: ≥0.9

LAB137 T₃, FREE

University of Vermont Medical Center

Reference Range – T₃, FREE

Age	Sex	Low	High	Units
0 - 2 weeks	All	3.0	12.4	pg/mL
2 weeks - 2 years	All	3.5	7.4	pg/mL
2 years - 4 years	All	3.5	7.4	pg/mL
4 years - 13 years	All	4.3	7.0	pg/mL
13 years - 18 years	Female	3.7	6.1	pg/mL
13 years - 18 years	Male	4.1	6.7	pg/mL
≥18 Years	All	2.8	5.3	pg/mL

LAB136 *T₃, TOTAL*

University of Vermont Medical Center

Reference Range – T₃, TOTAL

Age	Sex	Low	High	Units
0 - 2 weeks	All	31	301	ng/dL
2 weeks - 10 years	All	139	301	ng/dL
10 years - 18 years	Male	127	339	ng/dL
10 years - 18 years	Female	112	208	ng/dL
≥18 years	All	97	169	ng/dL

LAB127 *T₄, FREE*

University of Vermont Medical Center

Reference Range – T₄, FREE

Age	Sex	Low	High	Units
0 - 15 days	All	1.0	4.1	ng/dL
15 days - 1 month	All	0.8	2.3	ng/dL
1 month - 4 months	All	0.8	1.8	ng/dL
4 months - 1 year	All	0.8	1.7	ng/dL
1 year - 18 years	All	0.8	1.4	ng/dL
≥18 years	All	0.8	2.2	ng/dL

LAB126 *T4, TOTAL*

University of Vermont Medical Center

Reference Range – T4, TOTAL

Age	Sex	Low	High	Units
0 - 14 days	All	3.2	24.7	ug/dL
14 days - 4 years	All	6.9	18.7	ug/dL
4 years - 15 years	All	6.2	10.8	ug/dL
15 years - 18 years	Male	5.7	9.3	ug/dL
15 years - 18 years	Female	6.0	15.5	ug/dL
≥18 years	All	5.5	11.0	ug/dL

FK506 TACROLIMUS

University of Vermont Medical Center

Reference Range

Therapy dependent

PA-RANDTBX TESTICULAR BIOPSY

University of Vermont Medical Center

LAB124 TESTOSTERONE

University of Vermont Medical Center

Reference Range – TESTOSTERONE

Age	Sex	Physiological Status	Low	High	Units
2 years - 11 years	Male	N/A	<11		ng/dL
11 years - 12 years	Male	N/A	<479		ng/dL
12 years - 13 years	Male	N/A	<488		ng/dL
13 years - 14 years	Male	N/A	8	550	ng/dL
14 years - 15 years	Male	N/A	9	535	ng/dL
15 years - 16 years	Male	N/A	66	757	ng/dL
16 years - 21 years	Male	N/A	228	710	ng/dL
21 - 50 years	Male	N/A	229	902	ng/dL
≥50 years	Male	N/A	229	902	ng/dL
2 years - 11 years	Female	N/A	<12		ng/dL
11 years - 16 years	Female	N/A	<28		ng/dL
16 years - 21 years	Female	N/A	12	43	ng/dL
21 - 50 years	Female	N/A	8	35	ng/dL
≥50 years	Female	N/A	<36		ng/dL

The results of this assay can be **falsely elevated** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood draw.

FTES2 *TESTOSTERONE, TOTAL AND FREE*

University of Vermont Medical Center

Reference Range – TESTOSTERONE, TOTAL AND FREE

Testosterone, Free (Calculated)

Age	Sex	Low	High	Units
0 - 1 year	Male	0.4	2.9	ng/dL
1 year - 9 years	Male	≤0.3		ng/dL
9 years - 10 years	Male	≤0.6		ng/dL
10 years - 11 years	Male	≤1.3		ng/dL
11 years - 12 years	Male	≤5.0		ng/dL
12 years - 13 years	Male	≤8.3		ng/dL
13 years - 14 years	Male	≤11.2		ng/dL
14 years - 15 years	Male	0.6	13.6	ng/dL
15 years - 16 years	Male	1.6	15.7	ng/dL
16 years - 17 years	Male	2.7	17.3	ng/dL
17 years - 18 years	Male	4.0	18.5	ng/dL
18 years - 19 years	Male	4.9	19.3	ng/dL
19 years - 20 years	Male	4.9	18.7	ng/dL
20 years - 25 years	Male	4.8	18.3	ng/dL
25 years - 30 years	Male	4.7	17.5	ng/dL
30 years - 35 years	Male	4.5	16.8	ng/dL
35 years - 40 years	Male	4.3	16.0	ng/dL
40 years - 45 years	Male	4.1	15.2	ng/dL
45 years - 50 years	Male	4.0	14.5	ng/dL
50 years - 55 years	Male	3.8	13.8	ng/dL
55 years - 60 years	Male	3.6	13.1	ng/dL
60 years - 65 years	Male	3.4	12.4	ng/dL
65 years - 70 years	Male	3.3	11.6	ng/dL
70 years - 75 years	Male	3.1	10.9	ng/dL
75 years - 80 years	Male	2.9	10.1	ng/dL
80 years - 85 years	Male	2.7	9.4	ng/dL
85 years - 90 years	Male	2.6	8.6	ng/dL
90 years - 95 years	Male	2.4	7.9	ng/dL
≥95 years	Male	2.2	7.1	ng/dL
0 - 1 year	Female	≤0.5		ng/dL
1 year - 7 years	Female	≤0.3		ng/dL
7 years - 8 years	Female	≤0.4		ng/dL
8 years - 9 years	Female	≤0.5		ng/dL
9 years - 10 years	Female	≤0.6		ng/dL
10 years - 11 years	Female	≤0.7		ng/dL
11 years - 12 years	Female	≤0.8		ng/dL
12 years - 13 years	Female	≤0.9		ng/dL
13 years - 14 years	Female	≤1.1		ng/dL
14 years - 20 years	Female	≤1.2		ng/dL
20 years - 30 years	Female	0.3	1.2	ng/dL
30 years - 50 years	Female	0.3	1.1	ng/dL
50 years - 65 years	Female	0.3	1.0	ng/dL
65 years - 85 years	Female	0.3	0.9	ng/dL
≥85 years	Female	0.3	0.8	ng/dL

See Testosterone TESTO2 and Sex Hormone Binding Globulin SHBG2 for Reference Ranges.

THEOP THEOPHYLLINE

University of Vermont Medical Center

Reference Range

All ages: Trough: 10.0 – 20.0 ug/mL

THT THROMBIN TIME

University of Vermont Medical Center

Reference Range

Units: Seconds.

Range varies according to reagent lot, see report or call if needed.

TEG THROMBOELASTOGRAPH

University of Vermont Medical Center

Reference Range

See report

LAB515 THYROGLOBULIN ANTIBODY

University of Vermont Medical Center

Reference Range

All ages: ≤60 U/mL

THYRAB THYROID ANTIBODIES

University of Vermont Medical Center

Reference Range

See individual tests.

LAB2103 THYROID CASCADE

University of Vermont Medical Center

Reference Range

See Individual Tests

LAB129 THYROID STIMULATING HORMONE

University of Vermont Medical Center

Reference Range – THYROID STIMULATING HORMONE

Age	Sex	Low	High	Units
0 - 5 days	All	3.20	19.00	mIU/L
5 days - 1 month	All	1.70	9.10	mIU/L
1 month - 3 months	All	0.50	6.30	mIU/L
3 months - 6 months	All	0.50	4.77	mIU/L
6 months - 1 year	All	0.61	4.58	mIU/L
1 year - 14 years	All	0.73	4.09	mIU/L
14 years - 18 years	All	0.47	4.00	mIU/L
≥18 years	All	0.47	4.68	mIU/L

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TPO THYROPEROXIDASE ANTIBODY

University of Vermont Medical Center

Reference Range

All ages: ≤60 U/mL

O170000 TICK PANEL, SYMPTOMATIC

University of Vermont Medical Center

Reference Range

See individual tests.

LAB723 TISSUE TRANSGLUTAMINASE ANTIBODY IgA

University of Vermont Medical Center

Reference Range

All Ages:

Negative: <4 U/mL

Weak Positive: 4-10 U/mL

Positive: >10 U/mL

LAB36 TOBRAMYCIN, PEAK

University of Vermont Medical Center

Reference Range

All ages:

Peak: 5.0 – 12.0 ug/mL

LAB37 TOBRAMYCIN, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range.

LAB38 TOBRAMYCIN, TROUGH

University of Vermont Medical Center

Reference Range

All ages:

Trough: <1.5 ug/mL

TRANSFUS-TEST TRANFUSION PROCEDURE

University of Vermont Medical Center

LAB133 TRANSFERRIN

University of Vermont Medical Center

Reference Range — TRANSFERRIN

Age	Sex	Low	High	Units
0 - 2 months	All	97	229	mg/dL
2 months - 1 year	All	101	339	mg/dL
1 year - 18 years	All	225	354	mg/dL
≥ 18 years	All	201	352	mg/dL

TRSAT TRANSFERRIN SATURATION

University of Vermont Medical Center

Reference Range

Transferrin Saturation All Ages: 15-45%
Also see Iron and Iron Binding Capacity.

**BB-TRANSRXDEL TRANSFUSION REACTION
WORKUP, DELAYED**

University of Vermont Medical Center

**BB-TRANSRXIMM TRANSFUSION REACTION
WORKUP, IMMEDIATE**

University of Vermont Medical Center

TRIOP TRICHROME STAIN FOR PARASITES

University of Vermont Medical Center

Reference Range

No ova or parasites seen

**TCA2 TRICYCLIC ANTIDEPRESSANT SCREEN,
URINE**

University of Vermont Medical Center

Reference Range

This screen is intended for use in clinical monitoring or management of patients.

LAB134 TRIGLYCERIDE

University of Vermont Medical Center

Reference Range

Age	Sex	Reference Range	Units
0 - 10 years	All	<75	mg/dL
10 years - 18 years	All	<90	mg/dL
≥18 years	All	≤150	mg/dL

TROPI TROPONIN I

University of Vermont Medical Center

Reference Range

<0.034 ng/mL

The results of this assay can be **falsely lowered** due to the consumption of Biotin. Please instruct patients to discontinue the use of vitamins or supplements that contain Biotin 12 hours before blood collection.

FTRIG TRYGLYCERIDE, FLUID

University of Vermont Medical Center

Reference Range

No established reference range.

Best interpreted in the context of a paired serum or plasma Triglyceride value.

LAB276 TYPE & SCREEN

University of Vermont Medical Center

BLTZK TZANK SMEAR TESTING

University of Vermont Medical Center

UUN24 UREA NITROGEN, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

All ages: 12 – 20 g/24 Hours

UUNR UREA NITROGEN, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range.

URR UREA REDUCTION RATE

University of Vermont Medical Center

Reference Range

No established reference range.

LAB141 URIC ACID

University of Vermont Medical Center

Reference Range – URIC ACID

Age	Sex	Low	High	Units
0 - 15 days	All	2.8	12.6	mg/dL
15 days - 1 year	All	1.7	6.3	mg/dL
1 year - 12 years	All	1.9	4.9	mg/dL
12 years - 18 years	Male	2.7	7.6	mg/dL
12 years - 18 years	Female	2.6	5.9	mg/dL
≥18 years	Male	3.9	9.0	mg/dL
≥18 years	Female	2.2	7.7	mg/dL

LAB2061 URIC ACID, ELITEK

University of Vermont Medical Center

Reference Range – URIC ACID, ELITEK

Age	Sex	Low	High	Units
0 - 15 days	All	2.8	12.6	mg/dL
15 days - 1 year	All	1.7	6.3	mg/dL
1 year - 12 years	All	1.9	4.9	mg/dL
12 years - 18 years	Male	2.7	7.6	mg/dL
12 years - 18 years	Female	2.6	5.9	mg/dL
≥18 years	Male	3.9	9.0	mg/dL
≥18 years	Female	2.2	7.7	mg/dL

UUA24 URIC ACID, URINE, 24 HOUR

University of Vermont Medical Center

Reference Range

All ages: 250 – 750 mg/24hours

UUAR URIC ACID, URINE, RANDOM

University of Vermont Medical Center

Reference Range

No established reference range

LAB743 URINE ALBUMIN-TO-CREATININE RATIO (ACR)

University of Vermont Medical Center

Reference Range

Normal	<30 ug/mg Creatinine
Moderately Increased Albuminuria	30 - 300 ug/mg Creatinine
Severely Increased Albuminuria	>300 ug/mg Creatinine

LAB14286 URINE CHEMICAL (DIP) & SEDIMENT (MICRO) WITH REFLEX TO CULTURE

University of Vermont Medical Center

Reference Range**Chemical:**

Specific Gravity: 1.001 – 1.035

Bilirubin: Negative

Blood: Negative

Glucose: Negative

Ketones: Negative

Leukocyte Esterase: Negative

Nitrite: Negative

Protein: Negative

Urobilinogen: 0.2 - 1.0 mg/dL

pH: 4.6 – 8.0

Sediment:

WBC = 0-3/HPF

RBC = 0-2/HPF

Squamous Epithelial Cells = None Seen

Hyaline Casts = ≤10/LPF

Bacteria = None Seen

Urine Crystals = None Seen

Urine Yeast = None Seen

Small Round Cells = None Seen

Pathologic Casts = None Seen

LAB348 URINE CHEMICAL (DIP) & SEDIMENT (MICRO) WITHOUT REFLEX TO CULTURE, AUTOMATED

University of Vermont Medical Center

Reference Range**Chemical:**

Specific Gravity: 1.001 – 1.035

Bilirubin: Negative

Blood: Negative

Glucose: Negative

Ketones: Negative

Leukocyte Esterase: Negative

Nitrite: Negative

Protein: Negative

Urobilinogen: 0.2 - 1.0 mg/dL

pH: 4.6 – 8.0

Sediment:

WBC = 0-3/HPF

RBC = 0-2/HPF

Squamous Epithelial Cells = None Seen

Hyaline Casts = ≤10/LPF

Bacteria = None Seen

Urine Crystals = None Seen

Urine Yeast = None Seen

Small Round Cells = None Seen

Pathologic Casts = None Seen

LAB9896 URINE SEDIMENT (MICRO) WITH REFLEX TO CULTURE

University of Vermont Medical Center

Reference Range

All ages:

WBC = 0-3/HPF

RBC = 0-2/HPF

Squamous Epithelial Cells = None Seen

Hyaline Casts = ≤10/LPF

Bacteria = None Seen

Urine Crystals = None Seen

Urine Yeast = None Seen

Small Round Cells = None Seen

Pathologic Casts = None Seen

ARKUMI URINE SEDIMENT (MICRO) WITHOUT REFLEX TO CULTURE, AUTOMATED

University of Vermont Medical Center

Reference Range

All ages:

WBC = 0-3/HPF

RBC = 0-2/HPF

Squamous Epithelial Cells = None Seen

Hyaline Casts = ≤10/LPF

Bacteria = None Seen

Urine Crystals = None Seen

Urine Yeast = None Seen

Small Round Cells = None Seen

Pathologic Casts = None Seen

VALP VALPROIC ACID

University of Vermont Medical Center

Reference Range

All ages

Therapeutic Range: 50 – 100 ug/mL

Toxic: >150 ug/mL

VANCP VANCOMYCIN, PEAK

University of Vermont Medical Center

VANCO VANCOMYCIN, RANDOM

University of Vermont Medical Center

Reference Range

All ages:
Trough: 10.0 - 20.0 ug/mL
Peak: 25.0 - 50.0 ug/mL

VANCT VANCOMYCIN, TROUGH

University of Vermont Medical Center

Reference Range

All ages: Trough Level: 10 – 20 ug/mL

VARI VARICELLA IgG ANTIBODY

University of Vermont Medical Center

Reference Range

All ages:
Negative: Absence of detectable Varicella Zoster virus IgG antibodies. A negative result indicated no detectable antibody, but does not rule out acute infection.
Equivocal: Recommend collecting a second sample for testing in no less than one to two weeks.
Positive: Presence of detectable Varicella Zoster virus IgG antibodies.

LAB3754 VARICELLA ZOSTER VIRUS, PCR

University of Vermont Medical Center

Reference Range

Negative

B12 VITAMIN B12

University of Vermont Medical Center

Reference Range

All ages: 211 – 911 pg/mL

LAB3036 VITAMIN D, 25-OH (TOTAL)

University of Vermont Medical Center

Reference Range

	Age/Sex	Range	Units
Deficiency	All	<10	ng/mL
Insufficiency	All	10 - 30	ng/mL
Sufficiency	All	30 - 100	ng/mL
Toxicity	All	>100	ng/mL

ALC VOLATILE SCREEN

University of Vermont Medical Center

Reference Range

All ages: <5 mg/dL

VWFMP VON WILLBRAND FACTOR MULTIMER PANEL

University of Vermont Medical Center

Reference Range

See individual tests.

VWACT VON WILLEBRAND FACTOR ACTIVITY

University of Vermont Medical Center

Reference Range

49 – 153%

VWFA VON WILLEBRAND FACTOR ANTIGEN

University of Vermont Medical Center

Reference Range

50 – 185%

WATER WATER TEST, CHEMICAL

University of Vermont Medical Center

Reference Range

<2 uS/cm (micromhos)

WBC WBC

University of Vermont Medical Center

Reference Range – WBC

Age	Sex	Physiological Status	Low	High	Units
≥18 years	Female		4.0	12.4	K/cmm
≥18 years	Male		4.0	10.4	K/cmm
16-17 years	All		4.6	11.2	K/cmm
10-15 years	All		4.5	13.0	K/cmm
6-9 years	All		4.5	13.5	K/cmm
4-5 years	All		5.0	14.5	K/cmm
2-3 years	All		5.5	15.5	K/cmm
1-2 years	All		6.0	17.0	K/cmm
<1 year	All		6.0	17.5	K/cmm

WID *WORM IDENTIFICATION*

University of Vermont Medical Center

Reference Range

A descriptive report is provided.

FIOY *YEAST IDENTIFICATION, PLATE
SUBMITTED*

University of Vermont Medical Center

Reference Range

Yeast identified to genu/species level.

+8	LAB14969 (25)	PA-MMB (68), PA-BC (16), PA-RTR (89), PA-FTR (34), PA-CC (26), PA-BTB (16), PA-GEA (37), PA-POC (81), PDL1 (72)	PA-NERVE (69), PA-MMB (68), PA-BC (16), PA-RTR (89), PA-FTR (34), PA-CC (26), PA-BTB (16), PA-GEA (37), PA-POC (81), PDL1 (72)		
A Flu	IOFLUR (58)				
ABO/Rh Type	LAB895 (1)				
Acetone	ALC (109), BHOB (10)	Blood Type	LAB895 (1)		
ACID FAST	LAB877 (1), LAB2513 (1)	BLOOD UREA NITROGEN	LAB140 (16)		
Acid Fast Bacillus	LAB246 (1), LAB2513 (1)	BORRELIA BURGDORFERI ASSAY	LAB3035 (66), O170000 (104)		
Acid Fast Smear	AFSM (1)	BREAST CANCER ASSOCIATED ANTIGEN	LAB853 (19)		
ACS	ACS (8)	Brush	LAB9906 (k) (30)		
ACT	POC1 (75)	BUG	AID (9)		
Activated Partial Thromboplastin Time	LAB325 (89)	c 27 29	LAB853 (19)		
Acute infection	O170000 (104)	C ANA	UCN2 (21)		
Adenovirus	RESEXP (89), IOFLUR (58)	Ca	LAB53 (19)		
Aeromonas	LAB3626 (34)	CA2729	LAB853 (19)		
AFB CULTURE OTHER	LAB877 (1)	Calcium	LAB53 (19)		
AFB CULTURE SMEAR OTHER	LAB2513 (1)	campylobacter jejuni coli	FECBD (34)		
AFB CULTURE, RESPIRATORY	LAB877 (1)	Cancer	PA-RANDTBX (100), PA-SKIN (96), LAB9872 (96), FRS (36), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66)		
AFB SMEAR ONLY, OTHER	AFSM (1)	Cancer Antigen	CA125T (19)		
AIDS	HIVDI (52)	CARDAC	LAB2177 (82)		
AIDS SCREEN	LAB159 (52)	Catheter Tip	SORC (10)		
Alanine Aminotransferase	LAB132 (5)	CCP Antibody	CCPG (30)		
Alanine transaminase	LAB132 (5)	CD4	LAB15287 (96)		
Alcohol	ALC (109)	CD4:CD8	LAB15287 (96), LAB15288 (96)		
AMA (Antimitochondrial Antibodies)	AMA (68)	CDIF	CDIFBD (17)		
Aminophylline	THEOP (103)	CF	R RCS (10)		
ANA	LAB148 (9)	CHLAMYDIA & GC AMPLIFIED RNA, URINE	LAB2664 (22)		
ANAEROBE CULTURE/SMEAR(INC. AEROBES), OTHER	ACS (8)	CHLAMYDIA AMPLIFIED RNA, THIN PREP	LAB2664 (22)		
ANAEROBIC CULTURE (INCLUDES AEROBES), BONE & SMEAR	ACS (8)	CHLAMYDIA AMPLIFIED RNA, URINE	LAB2664 (22)		
ANAEROBIC CULTURE (INCLUDES AEROBES), FLUID & SMEAR	ACS (8)	CHLAMYDIA TRACHOMATIS AMPLIFIED RNA	LAB2664 (22)		
ANAEROBIC CULTURE (INCLUDES AEROBES), RESPIRATORY & SMEAR	ACS (8)	CHLAMYDIA/GC AMPLIFIED RNA, THIN PREP	LAB2664 (22)		
ANAEROBIC CULTURE (INCLUDES AEROBES), TISSUE & SMEAR	ACS (8)	Chromogenic	LAB14969 (25)		
Anatomic	AUTOPSY (10)	Chromosome analysis	KARYOTYPE (62)		
Anti U1RNP	LAB772 (90)	clostridium	CDIFBD (17)		
Anti-La	LAB2378 (95)	Creatine Kinase	LAB62 (25)		
Anti-Ro	LAB2377 (95)	Crossmatch	BB-PBP (81)		
Antibodies to Microtubule Associated Protein 2	AMA (68)	Cryptosporidium	GICR (40), LAB955 (72)		
Antimitochondrial Antibodies	AMA (68)	Crystal	FCR (30)		
APTT	LAB325 (89)	Crystals	FCR (30)		
ASA	SALI (90)	CSF	FC (37), FCS (37)		
Aspartate Aminotransferase	LAB131 (9)	cyclospora	LAB955 (72)		
Aspartate Transaminase	LAB131 (9)	CYCLOSPORA DETECTION	CSPORA (68)		
aspirate	LAB9906 (a) (36)	Cystic fibrosis	R RCS (10)		
Aspiration Cytology	LAB9906 (e) (30)	Cytology	LAB9906 (k) (30)		
aspirin	SALI (90)	Cytomegalovirus	CMVIGG (26), IOFLUR (58)		
Autopsy	EXTHLD (37)	Darvon	PPX (85)		
B Cell	LAB15288 (96)	DEFICIT SCREEN 50/50 PROTHROMBIN TIME	LAB321 (87)		
BACTERIAL CULTURE SMEAR OTHER	RCS (10)	DEFICIT SCREEN 50/50 PTT	PTT50 (89)		
BACTERIAL CULTURE, BONE & SMEAR	RCS (10)	difficile	CDIFBD (17)		
BACTERIAL CULTURE, FLUID & SMEAR (C+S)	RCS (10)	Dilantin	LAB176 (72)		
BACTERIAL CULTURE, IMPLANT RELATED	ACS (8)	DNA	EXTHLD (37)		
BACTERIAL CULTURE, TISSUE & SMEAR (C+S)	RCS (10)	E2	LAB523 (33)		
BENCE JONES URINE RANDOM	LAB205 (68)	EMT	PA-EM (33)		
BENSE JONES URINE 24 HOUR	LAB2027 (68)	Entamoeba histolytica	LAB955 (72)		
BETA 1 COMPLEMENT	C3CS (17)	Enteroinvasive E.coli O157:H7	FECBD (34)		
BETA HCG, QUANT	LAB3190 (10)	ESR	LAB322 (90)		
Biopsy	PA-ESTREC (34), PA-IMMUNO (58), PA-PROG (84), PA-RANDTBX (100), PA-RECBX (89), PA-SKIN (96), LAB9872 (96), LAB9906 (a) (36), DECAL (96), FRS (36), HER2A (52), PA-EM (33), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66), PA-HARDWARE (96), PA-NERVE (69),	Ethanol	ALC (109)		
		Excision	PA-ESTREC (34), PA-IMMUNO (58), PA-PROG (84), PA-RANDTBX (100), PA-RECBX (89), PA-SKIN (96), LAB9872 (96), DECAL (96), FRS (36), HER2A (52), PA-EM (33), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66), PA-HARDWARE (96),		
				EXPECTORATED	R RCS (10)
				Extraction	EXTHLD (37)
				factor	LAB14969 (25)
				Factor 8	VWFMP (109)
				Factor II 20210 mutation	PTNT (87)
				Factor II 20210 variant	PTNT (87)
				FC	FC (37)
				FCS	FCS (37)
				fecal	LAB3626 (34), FECBD (34)
				Fecal Occult Blood	LAB697 (70)
				Feces	LAB3281 (34)
				Fibrin Degradation Products	LAB313 (30)
				Fibrin Split Products	LAB313 (30)
				fine	LAB9906 (a) (36)
				FK506	FK506 (100)
				FLU	RESEXP (89), IOFLUR (58)
				Flu Test	RESEXP (89), IOFLUR (58)
				FNA	LAB9906 (a) (36)
				Follicle Stimulating Hormone	FSH (36)
				ft3	LAB137 (96)
				FT4	LAB127 (98)
				FUB	FCS (37)
				Fungal	FCS (37)
				Fungi	FC (37), FCS (37)
				G20210A	PTNT (87)
				Gamma Glutamyl Transferase	LAB85 (39)
				GBS	SXBBB (45)
				GC AMPLIFIED RNA	LAB2664 (22)
				GC AMPLIFIED RNA, THIN PREP	LAB2664 (22)
				GC AMPLIFIED RNA, URINE	LAB2664 (22)
				German Measles	RUBG2 (90)
				GLYCOHEMOGLOBIN, GLYCOSYLATED HEMOGLOBIN	LAB90 (49)
				Gonorrhoea	LAB2664 (22)
				h. pylori	HPSA (46)
				Hageman Factor	FA12 (34)
				HBAG	HBSAG (51)
				HCG FOR PREGNANCY	LAB143 (10)
				HCG Tumor Marker	LAB3190 (10)
				HCG URINE	UPT (81)
				HCV	HCSCR2 (51), HCVQU1 (46), HCVRX2 (46)
				HCY	HCY (52)
				HEMOPHILIA B ASSAY	FA9 (34)
				HEMOPHILIA C ASSAY	FA11 (34)
				Hep C	HCSCR2 (51), HCVQU1 (46), HCVRX2 (46)
				HEPARIN	HEPUFH (51)
				Heparin Neutralized aPTT	LAB1129 (89)
				Hepatitis C	HCVQU1 (46)
				HERPES ZOSTER, CHICKEN POX, VZV	VARI (109)
				histology	PA-ESTREC (34), PA-IMMUNO (58), PA-PROG (84), PA-RANDTBX (100), PA-RECBX (89), PA-SKIN (96), LAB9872 (96), AUTOPSY (10), DECAL (96), FRS (36), HER2A (52), PA-EM (33), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66), PA-HARDWARE (96), PA-MMB (68), PA-BC (16), PA-RTR (89), PA-FTR (34), PA-CC (26), PA-BTB (16), PA-GEA (37), PA-POC (81), PDL1 (72)
				HIV	HIVDI (52)
				HIV 4th Generation	LAB159 (52)
				HIV FOURTH GENERATION	LAB159 (52)
				Human chorionic gonadotropin	LAB143 (10)
				Human Chorionic Gonadotropin, Quantitative	LAB3190 (10)

Human Immunodeficiency Virus HIVDI (52)	LAB159 (52)	lymphocyte subset analysis LAB15287 (96), LAB15288 (96)	Respiratory LAB2513 (1)
Human Metapneumovirus IOFLUR (58)	RESEXP (89)	M. tuberculosis QFTB4 (89)	Rh Type LAB895 (1)
identification ACS (8), FC (37), FCS (37)		MALARIA EXAM LAB2545 (72)	Rhinovirus RESEXP (89)
IGG..... LAB71 (55)		MARIJUANA DRUG SCREEN UCN2 (21)	RNA EXTHLD (37)
IgG Synthesis Rate IGGIN (56)		Methanol ALC (109)	RPR ... LAB2200 (81), PNATOB (82), PREFUG (82), LAB3037 (96), CHCREP (81)
II FA2 (34)		Microalbumin LAB743 (108)	RRCS..... RRCS (10)
imm LAB15288 (96)		Microsomal Antibody TPO (104)	RSV..... IOFLUR (58)
Immunodeficiency Panel..... LAB15287 (96)		Microsporidium LAB955 (72)	RTC..... LAB877 (1)
Immuno-electrophoresis LAB174 (58), LAB2027 (68)		Mitochondrial Antibodies, Serum..... AMA (68)	Rubeola IgG Antibody MEASL (68)
Immunofixation..... LAB205 (68), LAB2027 (68)		Mold FCS (37)	Salmonella FECBD (34)
Immunology Profile (AMA) AMA (68)		Monoclonal Immunoglobulins LAB174 (58)	screen GICR (40)
Immunophoresis LAB205 (68)		Monoclonal Protein..... LAB205 (68), LAB2027 (68)	Sensitive TSH LAB129 (103)
Indirect Coombs LAB278 (9)		mycobacteria..... AFSM (1), LAB246 (1), LAB877 (1), LAB2513 (1)	Shigella FECBD (34)
induced RRCS (10)		Mycobacterium tuberculosis QFTB4 (89)	shigo toxin FECBD (34)
Infectious Mononucleosis MONO (68)		NA LAB122 (92)	Sickle Cell Solubility SIC (50)
Influenza A IOFLUR (58)		needle LAB9906 (a) (36)	SICKLE CELL TEST SIC (50)
Influenza B IOFLUR (58)		NK Cell LAB15288 (96)	Sickledex SIC (50)
insect..... AID (9)		Nocardia NCSM (1)	Sodium LAB122 (92)
IP..... LAB15287 (96)		O & P..... LAB955 (72)	Source ACS (8)
IPF LAB17564 (58)		OTHER CULTURE/SMEAR RCS (10)	SPECIAL LAB955 (72)
iron studies DIALI (81)		OxyContin UOXY2 (72)	SPEP LAB174 (58), LAB119 (94)
iron study DIALI (81)		Parainfluenza Virus IOFLUR (58)	Spinal fluid FC (37), FCS (37)
ISOLATION ACS (8), FCS (37)		Parainfluenza Virus type 1 - 4 RESEXP (89)	Sputum Culture..... RRCS (10)
Isopropanol ALC (109)		PARASITE GICR (40), LAB955 (72)	STAINS LAB955 (72)
Isospora DetectioN CSPORA (68)		PARASITOLOGY LAB955 (72)	STAPHYLOCCUS COAGULASE POSITIVE CULTURE RCS (10)
IX..... FA9 (34)		PARTIAL THROMBOPLASTIN TIME ... LAB325 (89)	stool GICR (40)
K LAB114 (79)		Pathology..... PA-ESTREC (34), PA-IMMUNO (58), PA-PROG (84), PA-RANDTBX (100), PA-RECBX (89), PA-SKIN (96), LAB9872 (96), AUTOPSY (10), DECAL (96), FRS (36), HER2A (52), PA-EM (33), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66), PA-HARDWARE (96), PA-NERVE (69), PA-MMB (68), PA-BC (16), PA-RTR (89), PA-FTR (34), PA-CC (26), PA-BTB (16), PA-GEA (37), PA-POC (81), PDL1 (72)	STREP CULTURE, GROUP A LAB502 (72)
Karyotype LAB9912 (25)		peak VANCO (109)	Streptococcus SXBBD (45)
Ketone BHOB (10)		PKU MIS-NEWBORN (69)	surgical PA-ESTREC (34), PA-IMMUNO (58), PA-PROG (84), PA-RANDTBX (100), PA-RECBX (89), PA-SKIN (96), LAB9872 (96), AUTOPSY (10), DECAL (96), FRS (36), HER2A (52), PA-EM (33), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66), PA-HARDWARE (96), PA-NERVE (69), PA-MMB (68), PA-BC (16), PA-RTR (89), PA-FTR (34), PA-CC (26), PA-BTB (16), PA-GEA (37), PA-POC (81), PDL1 (72)
LAB1291 ACS (8)		PLATELET COUNT, LEUKOCYTE COUNT, INDICES, HEMATOCRIT, HEMOGLOBIN, WHITE BLOOD CELL COUNT, EOSINOPHIL COUNT, ERYTHROCYTE COUNT, RED CELL COUNT, HEMAGRAM & DIFFERENTIAL..... CBCDF (13)	T, B, NK Cell Subsets LAB15288 (96)
LAB1307 FC (37)		PLATELET COUNT, LEUKOCYTE COUNT, INDICES, HEMATOCRIT, HEMOGLOBIN, WHITE BLOOD CELL COUNT, EOSINOPHIL COUNT, ERYTHROCYTE COUNT, RED CELL COUNT, HEMAGRAM, CBC (13)	T-Cell LAB15287 (96), LAB15288 (96)
LAB228 RCS (10)		Plesiomonas LAB3626 (34)	T-Cell only LAB15287 (96)
LAB232 ACS (8)		POC POC503 (79)	T3 RIA LAB136 (97)
LAB2507 FC (37)		POCT..... POC503 (79)	T4 NEONATAL MIS-NEWBORN (69)
LAB2509 LAB2513 (1)		Prealbumin PALBS (80)	Tacrolimus FK506 (100)
LAB2510 LAB2513 (1)		PRESUMPTIVE ACS (8)	Tb... AFSM (1), LAB246 (1), LAB877 (1), LAB2513 (1)
LAB2512 LAB2513 (1)		PRESUMPTIVE YEAST FCS (37)	TC LAB877 (1)
LAB2514 ACS (8)		Primary biliary cirrhosis AMA (68)	Tegretol..... LAB21 (21)
LAB2519 RCS (10)		Prograf FK506 (100)	Third generation LAB129 (103)
LAB2520 RCS (10)		Protein C Activity CLOT (85)	Throat Culture LAB502 (72)
LAB2521 RCS (10)		PROTEIN S ACTIVITY SCLT (85)	Thyroid stimulating hormone LAB129 (103)
LAB2527 GICR (40)		Prothrombin 20210 variant PTNT (87)	THYROXINE LAB126 (99)
LAB2529 RRCS (10)		Prothrombin mutation PTNT (87)	Tick Borne O170000 (104)
LAB2530 RRCS (10)		Prothrombin nucleotide..... PTNT (87)	Ticks O170000 (104)
LAB2537 FCS (37)		PSA LAB117 (87)	TISSUE..... PA-ESTREC (34), PA-IMMUNO (58), PA-PROG (84), PA-RANDTBX (100), PA-RECBX (89), PA-SKIN (96), LAB9872 (96), DECAL (96), FRS (36), HER2A (52), PA-EM (33), PA-KIDNEY (62), PA-MUSCLE (69), PA-LYMPH (66), PA-HARDWARE (96), PA-NERVE (69), PA-MMB (68), PA-BC (16), PA-RTR (89), PA-FTR (34), PA-CC (26), PA-BTB (16), PA-GEA (37), PA-POC (81), PDL1 (72)
LAB2551 LAB955 (72)		RCS RCS (10)	TOTAL T4 LAB126 (99)
LAB259 GICR (40)		Rectal LAB9907 (a) (8)	TPCTGC LAB2664 (22)
LAB2662 LAB2664 (22)		rectum PA-RECBX (89)	TPCTRA LAB2664 (22)
LAB2663 LAB2664 (22)		RED MEASLES ANTIBODY MEASL (68)	TPNGON LAB2664 (22)
LAB2666 LAB2664 (22)		Refugee PREFUG (82), CHCREP (81)	Trichrome..... LAB955 (72)
LAB2667 LAB2664 (22)		Renal Pelvis LAB9906 (k) (30)	Triiodothyronine LAB136 (97)
LAB2668 ACS (8)		Resection..... PA-CC (26)	
LAB268 ACS (8)			
LAB269 ACS (8)			
LAB273 FCS (37)			
LAB3133 LAB2664 (22)			
LAB3148 LAB2664 (22)			
LAB3184 LAB955 (72)			
LAB898 RCS (10)			
LACTOSE DEHYDROGENASE, LACTIC ACID DEHYDROGENASE..... LAB96 (62)			
LAMBLIA GICR (40)			
Lanoxin DIGOX (32)			
Liver function panel LIVR (51)			
Lung RRCS (10)			
LUTENIZING HORMONE LAB87 (63)			

Triiodothyronine, Free LAB137 (96)
TSH LAB129 (103)
Tylenol LAB43 (1), LYNN (66)
UCTGC LAB2664 (22)
UCTRA..... LAB2664 (22)
Unfractionated HEPUFH (51)
UNGON LAB2664 (22)
Ureter LAB9906 (k) (30)
Urine FC (37), FCS (37)
UTC LAB877 (1)
V LAB304 (34)
vdrl LAB2200 (81), PNATOB (82), PREFUG (82),
LAB3037 (96), CHCREf (81)
Vibrio LAB3626 (34)
VII FA7 (34)
VIII FA8 (34), LAB14969 (25)
vWF Antigen VWFA (109)
VWR Activity VWFMP (109)
VWR Factor VWFMP (109)
VZV ... PEPNAT (82), PREFUG (82), CHCREf (81),
VPNAT (82), LAB3754 (109)
Wound ACS (8), RCS (10), FC (37), FCS (37)
X FA10 (34)
XI..... FA11 (34)
XII FA12 (34)
XIII FA13AG (34)
Yeast FC (37)
Yersinia LAB3626 (34)
Z STAT drug screen UDS11 (32)