

Reference Range Updates for Chemistry Testing

On 4/2/22, the clinical laboratories of UVMHN (AHMC, CVMC, CVPH, ECH, PMC, and UVMMC) will be updating primarily pediatric reference ranges for the analytes listed in the table below. This change is part of the UVMHN standardization of laboratory reporting and reference ranges as part of the wave 3 Epic Go-Live. This update means EPIC will appropriately flag abnormal laboratory values based on the new age appropriate reference ranges.

Test Name	Epic Code	Atlas Code	Mayo Access ID
Albumin	LAB45	ALB	FAH4973
Alkaline Phosphatase	LAB112	ALKP	FAH4842
ALT	LAB132	ALT	FAH264
Ammonia	LAB47	AMMON	FAH281
AST	LAB131	AST	FAH263
Bilirubin, Total	LAB50	TBIL	FAH5243
Blood Gas, Arterial	LAB3031	N/A	N/A
Blood Gas, Cord Blood Arterial	LAB3033	N/A	N/A
Blood Gas, Cord Venous	LAB3173	N/A	N/A
Blood Gas, Venous	LAB3032	N/A	N/A
BUN	LAB140	BUN	FAH4985
Calcium	LAB53	LAB53	FAH4962
Cholesterol	LAB60	CHOL	FAH4958
Cholesterol, HDL	LAB101	HDL	FAH243
Creatinine	LAB66	CREAT	FAH5382
Ferritin	LAB68	FER	FAH147
GGT	LAB85	GGT	FAH242
IgA	LAB1077	IGAS	FAH5813
IgG	LAB71	IGGS	FAH5812
IgM	LAB72	IGMS	FAH5814
Ionized Calcium	LAB2039	ICAL	FAH5668
Iron	LAB94	IRON	FAH130
Iron Binding Capacity	LAB829	IBC	FAH131
LDH	LAB96	LDH	FAH257
LDL, Direct	LAB3245	DLDL	FAH5519
LH	LAB87	LH	FAH150
Lipase	LAB99	LIPA	FAH166
MG	LAB103	MG	FAH5203
NT-proBNP	LAB106	NTBNP	FAH5502
Osmolality, Urine	LAB107	UOSM	FAH221

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Test Name	Epic Code	Atlas Code	Mayo Access ID
Phosphorus	LAB113	PHOS	FAH207
Potassium	LAB114	K	FAH258
Potassium, Urine 24 hr	LAB436	UK24	FAH5873
Progesterone	LAB529	PROG	FAH162
Prolactin	LAB531	PROL	FAH155
Protein Total, Serum	LAB118	TP	FAH5010
PSA (Prostate Specific Antigen), Diagnostic	LAB116	PSA	FAH202
Rheumatoid Factor	LAB206	RFS	FAH5810
Sex Hormone Binding Globulin	LAB839	SHBG2	FAH5764
Sodium, Urine 24 Hr	LAB446	UNA24	FAH5874
T3, Free	LAB137	FREET3	FAH5786
T3, Total	LAB136	TT3	FAH5785
T4, Free	LAB127	FRET4	FAH5788
T4, Total	LAB126	TT4	FAH5787
Testosterone	LAB124	TESTO2	FAH5763
Testosterone, Total and Free	LAB173	FTES2	FAH5762
Thyroid Stimulating Hormone	LAB129	TSH3	FAH5790
Total Protein, CSF	LAB195	CTP	FAH119
Transferrin	LAB133	TRFS	FAH5818
Triglyceride	LAB134	TRIG	FAH4959
Uric Acid	LAB141	URIC	FAH4964
Uric Acid, Elitek	LAB2061	EURIC	N/A
*Cholesterol/Non-HDL Calculated	N/A	N/A	N/A
*LDL Calculated	N/A	N/A	N/A

*NOT an orderable test. See Lipid Panel, LAB18, LPR, FAH4957

To access the exact values for each age appropriate reference range, you can review the test/analyte of interest by searching the EPIC Procedure Catalog and selecting the Reference Range Tab. For non-EPIC utilizing sites, the new reference ranges can be accessed by searching the performing laboratory's Test Directory/Menu, such as <https://uvmlabs.testcatalog.org>.

If you have any questions or concerns about these changes, then please reach out to the Medical Director of Clinical Chemistry (clayton.wilburn@uvmhealth.org).

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