

# Test Update

## New Siemens Atellica Chemistry Instrument UVM Medical Center

Effective 02/17/2026, the UVMCC Chemistry Laboratory will move testing performed on the Siemens Centaur XPT to the new Siemens Atellica IM1600 instrument. While test methodologies remain comparable, some assays may demonstrate minor changes in analytical measuring (AMR), clinical reportable ranges (CRR), and reference ranges.

### Reportable Range Changes:

Test	Epic Code	Atlas Code	Mayo Access ID	Current AMR	New AMR	New CRR
AFP Tumor Marker**	LAB559	AFPTMR	N/A	2.5 - 1000 ng/mL	2 - 1000 ng/mL	2 - 100,000 ng/mL
CA 27.29**	LAB853	C2729	FAH5337	3.5 - 450 U/mL	4 - 450 U/mL	4 - 9000 U/mL
CEA	LAB57	CEA	FAH157	0.5 - 80.0 ng/mL	0.5 - 100.0 ng/mL	0.5 - 5000.0 ng/mL
FSH	LAB86	FSH	FAH138	0.3 - 150.0 mIU/mL	0.3 - 200.0 mIU/mL	0.3 - 200.0 mIU/ml
Homocysteine	LAB93	HCY	FAH5249	1 - 50 umol/L	1 - 65 umol/L	1 - 65 umol/mL
LH	LAB87	LH	FAH150	0.3 - 175.0 mIU/mL	0.3 - 200.0 mIU/mL	0.3 - 200.0 mIU/mL
Progesterone	LAB529	PROG	FAH162	0.2 - 50.0 ng/mL	0.2 - 60.0 ng/mL	0.2 - 600.0 ng/mL
Prolactin	LAB531	PROL	FAH155	0.3 - 150.0 ng/mL	0.3 - 200.0 ng/mL	0.3 - 1000.0 ng/mL
Vitamin B12	LAB67	B12	FAH110	50 - 2000 pg/mL	45 - 2000 pg/mL	45 - 2000 pg/mL

\*\*AFP and CA2729 will be reported to the whole number instead of the tenth.

### Reference Range Changes:

Test	Epic Code	Atlas Code	Mayo Access ID	Sex	Current Ref Range	New Ref Range
Ferritin	LAB68	FER	FAH147	Males ≥18 years	30 - 322 ng/mL	30 - 307 ng/mL
				Females ≥18 years	30 - 291 ng/mL	30 - 271 ng/mL
Homocysteine	LAB93	HCY	FAH5249	All	5.0 - 13.9 umol/L	3.7 - 13.9 umol/L
SHBG	LAB839	SHBG2	FAH5764	Females - Premenopausal (18-50 yrs)	17.7 - 138.2 nmol/L	17.7 - 138.3 nmol/L
				Females - Postmenopausal (≥50 yrs)	23.7 - 110.6 nmol/L	23.7 - 110.6 nmol/L

**UVM Medical Center**  
Pathology & Laboratory Medicine

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### UVM Medical Center

In addition, results for Testosterone and Testosterone, Total and Free testing will now include the following comment: “For children less than 18 years of age (particularly females), women, and men with suspected hypogonadism, consider follow-up with Testosterone, Total and Free, by LC/MS, S. [LAB17495, Mayo TGRP] if testosterone results do not match clinical presentation.”

Test	Epic Code	Atlas Code	Mayo Access ID
Testosterone	LAB124	TESTO2	FAH5763
Testosterone, Total and Free	LAB173	FTES2	FAH5762
Testosterone, Total and Free, by LC/MS, S.	LAB17495	LAB17495	N/A

Lastly, result reports for Hepatitis B Surface Antigen testing will include the following comment: “The results of this assay can be falsely lowered (negative) due to the consumption of biotin.” The addition of this comment is in regards to studies conducted by the manufacturer showing that samples with biotin levels greater than 75 ng/mL may have a negative bias leading to falsely decreased results.

Test	Epic Code	Atlas Code	Mayo Access ID
Hepatitis B Surface Antigen	LAB471	HBSAG	FAH5742

If you have any questions about these changes or would like additional information, please contact Dr. Hanna Loving (hanna.loving@uvmhealth.org).