

Technical Bulletin

Effective June 11, 2019, Biotech Clinical Laboratories will switch the following Chemistries from Abbott Architect Analyzer to a new **BeckmanCoulter AU5800** Analyzer. This will provide opportunity to stay on the cutting edge of clinical laboratory technology and improve analytical performance. Notice there is a slight reference range change for some analytes.

Chemistry	Old Ranges	New Ranges
Bilirubin Direct	0 – 0.5 mg/dL	0.03 – 0.18 mg/dL
Bilirubin Total	1 – 1.2 mg/dL	0.3 -1.0 mg/dL
Iron	25 -156 mg/dL	50 – 212 mg/dL
*Magnesium	1.3 -2.5 mEq/L	1.9 -2.7 mg/dL
Phosphorus	1.3-6.1 mg/dL	2.5-5.0 mg/dL
UIBC	110 – 370 µg/dL	155 – 355 µg/dL
**B2-microglobulin	0.9 – 2.6 mg/L	0.097 – 0.184 mg/dL
IgA	68 -378 mg/dL	66 -433 mg/dL
IgG	690 – 1400 mg/dL	635 – 1734 mg/dL
IgM	60 – 263 mg/dL	45 – 281 mg/dL
Rheumatoid Factor	<11 IU/mL	<14 IU/mL

***Notice that units for Magnesium are now mg/dL**

****Notice that units for B2-microglobulin are now mg/dL**

For additional information or any questions about this change please contact our Technical Director, Dr. Elena Dvorin at 248-912-1700 or by e-mail at edvorin@biotechclinical.com.