



Date: 6/1/2021

To: CAMC LabWorks Clients  
CAMC Providers

From: Milton Plata, MD  
Laboratory Director – CAMC Memorial Hospital

*Milton Plata MD*  
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Starting **June 1<sup>st</sup>, 2021**, **CAMC Memorial Hospital Clinical Laboratory** will be updating to a new methodology for Immunoglobulins (IgA, IgG and IgM). The new assays will be performed on the Beckman Coulter AU 5800.

**Method summary:**

Immune complexes formed in solution scatter light in proportion to their size, shape and concentration. Turbidimeters measure the reduction of incidence light due to reflection, absorption or scatter. The decrease in intensity of light transmitted (increase in absorbance) through particles suspended in solution is the result of complexes formed during the antigen-antibody reaction.

**If you are currently monitoring serial results it is suggested that you repeat a new baseline with the new method.**

Current CAMC reference ranges have been validated for the adult population on this new method. Validation of reference ranges for pediatric population is ongoing.

**Reference Ranges:**

IgM	Adult >18 Years Old	35-242 mg/dL
IgG	Adult >18 Years Old	610-1616 mg/dL
IgA	Adult >19 Years Old	84.5-499 mg/dL

If you have any concerns or questions about this change, feel free to contact **Dr. Milton Plata (304-388-9351 or [milton.plata@camc.org](mailto:milton.plata@camc.org))** or **Della Haynes (304-388-4184 or [della.haynes@camc.org](mailto:della.haynes@camc.org))**

Thank you!