

To: Clients of URMCLabs

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Re: New Methodology and Reference Ranges for Serum Protein Electrophoresis.

Date: 4/4/2012

Starting 4/17/2012, the assays of Serum Protein Electrophoresis will be performed by “capillary” electrophoresis. As previously, the absolute amounts of protein in each fraction (albumin, alpha, beta, gamma) will be reported; the percentage comprised by each fraction will not be reported. Interpretative reports will be provided as either “normal” or “abnormal” on all specimens. Isolated hypergammaglobulinemia typical of chronic inflammation will be interpreted as “abnormal”. The location of paraproteins and the quantity will be reported in a format that makes trends apparent when viewed in eRecord. When necessary, additional interpretive comments will be provided. Electrophoresis will be performed ONLY on serum and urine.

Sample collection remains the same:

Tube: Serum Separator Tube

Draw Volume: 4 mL (Minimum volume: 2 mL)

Collection Specimen: Blood

New Adult Reference Ranges:

Albumin	3.5 - 5.1	(g/dL)
Alpha 1	0.2 - 0.4	(g/dL)
Alpha 2	0.4 - 0.9	(g/dL)
Beta	0.5 - 1.0	(g/dL)
Gamma	0.7 - 1.4	(g/dL)

Any questions can be directed to Dr. Burack @ 273-1885 or Richard_Burack@urmc.rochester.edu