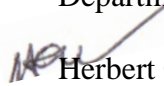





**MEMORANDUM #132**

TO: UNC Health Care Physicians, Housestaff, Nursing Coordinators,  
Department Heads and Supervisors

FROM:  Herbert C. Whinna, MD, PhD, Medical Director, McLendon Clinical  
Laboratories

 Nichole Korpi-Steiner, PhD, Interim Director, Core Laboratory

DATE: January 4, 2017

**SUBJECT: Serum/Urine Protein Electrophoresis and Immunofixation Testing**

---

Effective January 9, 2017, in order to better serve our UNC Health Care affiliated providers and to standardize testing across UNCH McLendon and Rex Laboratories we will be changing the ordering and testing practices for Serum/Urine Protein Electrophoresis and Immunofixation testing at UNCH McLendon Clinical Laboratories.

We have added quantifiable M-Spike components that can be trended over time to our Serum Protein Electrophoresis test and have made Serum and Urine Immunofixation tests orderable for UNCH McLendon Clinical Laboratories.

In addition, we will no longer reflex Immunofixation from Protein Electrophoresis testing (or vice versa) in either serum or urine samples, but a new orderable test "Serum Protein Electrophoresis and Immunofixation [Lab11143]" has been created to simplify ordering both modalities for those providers who do not want the Immunoglobulin levels that are contained in the current "Myeloma WorkUp, Serum [Lab5356]" (\*Note: No analogous urine test was created as the current "Myeloma WorkUp, Urine [Lab5198]" consists of just the Urine Protein Electrophoresis & Immunofixation\*). Please see the Chart on next page for more details.

Please contact Dr. Whinna at 984-974-1500 or [Herbert.Whinna@unchealth.unc.edu](mailto:Herbert.Whinna@unchealth.unc.edu) with any questions



**UNCH McLendon Clinical Laboratories  
Serum/Urine Protein Electrophoresis and Immunofixation Test Menu**

<b>Epic Orderable Test</b>	<b>Current vs New Test?</b>	<b>Lab Practice Change Description</b>
PROTEIN ELECTROPHORESIS, SERUM [LAB119]	Current	Immunofixation will no longer be automatically reflexed. Any quantifiable M-Spike will be identified and resulted as a discreet component.
IMMUNOFIXATION ELECTROPHORESIS [LAB174]	Current, but not orderable for UNCH McLendon Labs from UNC Preference/Facility Lists	Will be orderable for UNCH McLendon Labs but Protein Electrophoresis will not be automatically reflexed and therefore any noted monoclonal bands will not be quantified.
SERUM PROTEIN ELECTROPHORESIS AND IMMUNOFIXATION [LAB11143]	New	Protein Electrophoresis and Immunofixation will both be performed. Any quantifiable M-Spike will be identified and resulted as a discreet component.
PROTEIN ELECTROPHORESIS, URINE [LAB438]	Current	Immunofixation will no longer be automatically reflexed. Any quantifiable M-Spike will be identified and resulted as a discreet component.
IMMUNOFIXATION ELECTROPHORESIS, URINE [LAB5193]	Current, but not orderable for UNCH McLendon Labs from UNC Preference/Facility Lists	Will be orderable for UNCH McLendon Labs, but Protein Electrophoresis will not be automatically reflexed and therefore any noted monoclonal bands will not be quantified.
PROTEIN ELECTROPHORESIS, 24 HR URINE [LAB438A]	Current	Immunofixation will no longer be automatically reflexed. Any quantifiable M-Spike will be identified and resulted as a discreet component.
IMMUNOFIXATION, 24HR URINE [LAB9284]	New	Will be orderable for UNCH McLendon Labs, but Protein Electrophoresis will not be automatically reflexed and therefore any noted monoclonal bands will not be quantified.
MYELOMA WORKUP, SERUM [LAB5356] (Consists of Serum Protein Electrophoresis & Immunofixation as well as Total Protein, IgG, IgM, and IgA levels).	Current	Any quantifiable M-Spike will be identified and resulted as a discreet component.
MYELOMA WORKUP, URINE [LAB5198] (Consists of Urine Protein Electrophoresis & Immunofixation as well as Urine Protein level).	Current	Any quantifiable M-Spike will be identified and resulted as a discreet component.
MYELOMA WORKUP, URINE 24 HOUR [LAB11009] (Consists of Urine Protein Electrophoresis & Immunofixation as well as 24 Hour Urine Protein).	Current	Any quantifiable M-Spike will be identified and resulted as a discreet component.