



Technical Memorandum

TO: Physicians, Staff

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Date: May 7, 2010

Subject: Monoclonal Protein Expanded Panel - Serum

Effective 5/17/10, Monoclonal Protein Expanded Panel, will be offered and performed at Central Core Lab.

Laboratory approach to identifying monoclonal gammopathies has relied on protein electrophoresis and immunoelectrophoresis of both serum and urine. Urine testing has been part of this diagnostic algorithm because oligosecretory plasma cell dyscrasias such as light chain amyloidosis and light chain deposition disease often have minimal or no detectable serum abnormalities. With the introduction of a serum assay to quantitate immunoglobulins free light chains, this has increased the sensitivity of serum testing such that urine tests are no longer required as part of the initial diagnostic screen.

A diagnostic screen panel composed of serum protein electrophoresis, immunofixation electrophoresis and free light chain (kappa and lambda), provides a sensitive diagnostic algorithm and important prognostic information and identifies the best assay for disease monitoring.

Test Information:

Analyte	New Order Code
Monoclonal Protein Expanded Panel	6262
Includes:	Current Order Codes
Serum Protein ELP	411
Immunofixation Electrophoresis	580
Kappa and Lambda Light Chains, Free	5180

Serum Protecin ELP, Immunofixation Electrophoresis, kappa and lambda free lights chains, are also offered individually.

Please contact Wesley Kim, MD, Medical Director with any questions at 589-5131.