

UPSTATE

UNIVERSITY HOSPITAL

Department of Pathology

To: Medical Staff

Subject: Beta-2-Microglobulin

Date: October 12nd, 2019

- ❖ Beta-2-Microglobulin (B2M) is most commonly used for assessing renal function, especially for differentiating glomerular and tubular proteinuria. High serum B2M concentrations are associated with low glomerular filtration rate, inflammation, amyloidosis and various neoplastic conditions, especially those involving B lymphocytes (e.g., multiple myeloma).
- ❖ In addition, an increase in serum B2M concentrations, which are ordinarily low, is a good predictor for acute rejection in renal transplantation.
- ❖ To date, Beta-2-Microglobulin testing in human serum at SUNY Upstate Medical Hospital is a send-out test with the turnaround time of approximately 4 days. **Effective October 31st, 2019**, B2M will be performed in-house at the Upstate Pathology Downtown Campus core lab with an approximately 2 hour turnaround time (**Epic Code: LAB49**). Samples sent for testing at the Community Campus will require transportation to the Downtown Campus for testing.
- ❖ For diagnostic purposes, the results should always be assessed in conjunction with the patient's medical history, clinical examination, and other findings.

For questions, please feel free to reach us out #315-464-9175.