

SAINT FRANCIS HEALTH SYSTEM LABORATORY UPDATE

DATE: March 1, 2005

TO: Medical Staff

FROM: Dr. Michel S. Medawar, Pathologist
Jay Hupp, MT(ASCP)SC, Laboratory Technical Manager

SUBJECT: Troponin-I Reference Range

Effective March 8, 2005 reference ranges will change significantly for Troponin-I. The new assay provides improved sensitivity and specificity and has been standardized through the National Institute of Standards and Technology (NIST). The table below summarizes the changes between the two assays:

ASSAY	NORMAL	INDETERMINATE	POSITIVE
Current Trop-I	<0.4 ng/mL	0.4-1.9 ng/mL	>2.0 ng/mL
New Trop-I	< 0.05 ng/mL	0.05-0.39 ng/mL	> 0.4 ng/mL

Please note that the new Troponin-I assay is positive for myocardial injury at 0.4 ng/mL, which was the normal cut-off point for the Troponin-I assay currently in use.

For questions concerning this reference range change, please contact Dr. Michel S. Medawar or Jay Hupp at 494-1300.