



PRODUCT SPECIFICATION

CATALOG NUMBER: 1-020

PRODUCT DESCRIPTION:	Purified Human Cardiac Troponin I Subunit Antigen
FORM:	Liquid
PURITY:	This product contains some proteolytic fragments of the troponin I molecule. >95% of the protein reacts with monoclonal antibodies to cardiac troponin I by Western blot analysis. By SDS-PAGE, bands migrate primarily from 13-26 kDa.
BUFFER:	75 mM Tris, pH 8.0, 15 mM mercaptoethanol, 10mM EDTA, 6 M urea
PRESERVATIVE:	None
STORAGE TEMPERATURE:	$\leq -20^{\circ}\text{C}$ or colder long term
SOURCE:	Human heart tissue (donor's serum was tested and found negative for HBsAg, HIV-1, HIV-2, and HCV antibodies by FDA approved tests.)
NOTE:	Troponin I is only sparingly soluble at neutral pH and physiological salt concentrations. If removing urea from this product, increase ionic strength to at least 0.5 M, and include 10mMmercaptoethanol to reduce intermolecular aggregation.