



## CERTIFICATE OF ANALYSIS

PRODUCT NAME:	TROPONIN T Human (Tn-T)
CAT. NO:	I550-21
EXPIRATION:	1 year
FORM:	6M Urea, 50mM Tris-HCl, 15mM beta-mercaptoethanol, 1mM EDTA (pH)
PROTEIN CONC:	>1 mg/ml
PURITY:	>98% by SDS PAGE
SOURCE:	Human Heart
STORAGE:	-40C
SYNONYMS:	Tn-T
UNSPSC CODE:	51131907

Human heart cardiac Troponin is a family of proteins (human troponin I, human troponin T and human troponin C) and are found in skeletal and heart muscle fibers; it helps muscles contract. Certain subtypes of human troponin (human cardiac troponin I and cardiac troponin T) are very sensitive and specific indicators of damage to the heart muscle myocardium). Human cardiac Troponin is measured in the blood to differentiate between unstable angina and myocardial infarction (heart attack) in patients with chest pain. A patient who had suffered from a myocardial infarction would have an area of damaged heart muscle and so would have elevated human cardiac troponin levels in the blood.