

# ***Life Diagnostics, Inc.***

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## ***Pig Cardiac Troponin Complex***

Catalog No.	70004
Analysis	SDS PAGE: Three bands corresponding to Tn-T, Tn-I & Tn-C
Purity	≥90%
Concentration	1- 5 mg/ml
Buffer	50 mM NaCl, 10 mM imidazole, 5 mM β-mercaptoethanol, 0.1 mM CaCl <sub>2</sub> , 0.05% NaN <sub>3</sub> (pH 7.0)
Storage	-20°C (avoid repeated freeze thawing)
Source	Pig cardiac muscle

Troponin is a complex of three subunits, troponin-C, troponin-I and troponin-T that is integral to muscle contraction in skeletal and cardiac muscle but not smooth muscle. Troponin complex can be used to prepare calibrators and controls for cardiac troponin I assays. Troponin complex is purified using a combination of affinity and ion-exchange chromatography steps.

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