

Life Diagnostics, Inc.

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Rabbit Skeletal Muscle Troponin-ITC

Catalog No.	4030
Analysis	SDS PAGE: Three bands corresponding to Tn-T, Tn-I & Tn-C
Purity	≥90%
Concentration	1-5 mg/ml. Calculated assuming an extinction coefficient at 280 nm of 0.4142 for a 1 mg/ml solution
Buffer	50 mM NaCl, 10 mM imidazole, 5 mM β-mercaptoethanol, 0.1 mM CaCl ₂ , 0.05% NaN ₃ (pH 7.0)
Appearance	Clear colorless solution
Storage	-20°C (avoid repeated freeze thawing)
Source	Alcohol denatured rabbit skeletal muscle (fast twitch)

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 is purified using a combination of affinity and ion-exchange chromatography steps.

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