

Cardiac Troponin I (cTnI)

Item Number: cTnI

Introduction

Discover Cardiac Troponin I (cTnI), the specific marker for heart damage. Ideal for IVD reagent manufacturing, including gold method test kits. High sensitivity & accuracy guaranteed.

[Learn More](#)

Feature	Description
Product Name	Troponin I, Cardiac Antigen, Recombinant
Form/Appearance	Liquid, Recombinant Antigen
Purity	≥98%
Buffer	6M Urea, 50mM Tris-HCl, pH 8.0
Application	Marker for myocardial damage differentiation between unstable angina and myocardial infarction.

Condition	Description
Storage (Short Term)	< 1 week: -20°C
Storage (Long Term)	≤-70°C. Avoid repeated freezing and thawing.
Shipping	Cold Packs (Domestic and Limited International Locations)/Dry Ice (Most International Locations)

Indicator	Specification
Appearance	Product packaging box, aluminum foil packaging bag should be complete and undamaged
Strip Width	Should not exceed the nominal value ±0.20mm (nominal value: 4.00mm)
Migration Rate	Not less than 8.0 mm/min
Limit of Detection (cTnI)	≤0.5 ng/ml
Linear Range (cTnI)	0.5 ng/ml □ 40.0 ng/ml, linear correlation coefficient $r \geq 0.990$
Accuracy	Relative deviation between the mean of detected values and the target value of BIORAD cardiac marker control products should be no more than 20%
Repeatability	≤10%
Batch-to-Batch Precision	≤15%
Stability	Stored at 4-30°C in sealed aluminum foil bags, tested within 1 month of the expiration date, and the test results should meet the requirements of items 2.2-2.7