

## PRODUCT SPECIFICATIONS

<b>Name</b>	Anti-h cTnT 3708 SPTN-5
<b>Specificity</b>	Antibody recognizes human cardiac troponin T (cTnT)
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
<b>Product code</b>	100704
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2-8 °C
<b>Analyte description</b>	Troponins form a complex of three regulatory proteins (troponin C, I and T) that are integral to muscle contraction in skeletal and cardiac muscles. Serum cardiac troponin tests can be used to help diagnose several different heart disorders, especially myocardial infarction.

## PARAMETERS TESTED ON EACH LOT

<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Immunoreactivity</b>	80-120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.4 - 7.1
<b>Purity</b>	≥ 95 %

## PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

<b>Subclass</b>	IgG <sub>1</sub>
<b>Association rate constant</b>	Not Determined (N/D)
<b>Dissociation rate constant</b>	N/D
<b>Affinity constant</b>	N/D
<b>Determination method</b>	-
<b>Determination antigen</b>	-

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**Cross-reactivities** No cross-reactivity with skeletal troponin T (sTnT) or cardiac troponin I (cTnI).

**Epitope** Amino acids 121–133 (VSLKDRIERRRAE) of cardiac troponin T isoform 6.

**Pair recommendations**

CAPTURE ANTIBODY	DETECTION ANTIBODY
3708	3703, 3710, 3711, 3712, 3701
3712, 3710	3708

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Product stability**

TEMPERATURE, TIME	RESULT
–70 °C, 21 days	OK
–20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 7 days	OK
+35 °C, 21 days	Minor charge alterations
+45 °C, 3 days	OK
+45 °C, 7 days	Minor charge alterations

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

**Miscellaneous** Reacts with recombinant cardiac troponin T, Medix Biochemica, 610101.

**References** –

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