

PRODUCT SPECIFICATIONS

Date: 2013-06-07

Note: For research use only

PRODUCT NAME	:	Anti-StrepA 2603 SPTN-5
PRODUCT SPECIFICITY	:	Group A Streptococcus
PRODUCT CODE	:	100343
PRODUCT BUFFER	:	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	:	Shelf life unspecified, storage at 2-8 °C
ANALYTE DESCRIPTION	:	The group A streptococcus bacterium (<i>Streptococcus pyogenes</i> , or GAS) is a form of β-hemolytic bacteria responsible for most cases of streptococcal illness. Other types (B, C, D, and G) may also cause infection. <i>S. pyogenes</i> is the cause of many diseases infecting humans, ranging from mild superficial skin infections to life-threatening systemic diseases. Examples of mild <i>S. pyogenes</i> infections include pharyngitis and localized skin infection. Usually, a throat swab is taken to the laboratory for testing. Testing can be performed using rapid test which is then verified using traditional bacterial stain and culture.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	:	Clear liquid, may turn opaque during storage
PRODUCT CONCENTRATION	:	5.0 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	:	80 – 120 % compared to reference in an IFMA-test
IEF-RANGE	:	6.5 – 6.9
PURITY	:	≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	:	IgG ₁
ASSOCIATION CONSTANT	:	N/D
DISSOCIATION CONSTANT	:	N/D
AFFINITY CONSTANT	:	N/D
DETERMINATION METHOD	:	N/D
ANTIGEN	:	N/A
CROSS-REACTIVITIES	:	N/D

EPITOPE : -

EPITOPE GROUP : -

Two antibodies binding to the same, or closely located epitopes, belong to the same group and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.

PAIR RECOMMENDATIONS :

SOLID	LABEL
2601, 2602	2603
2603	2601, 2602

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

PRODUCT STABILITY :

TEMPERATURE, DAYS	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. The maximum duration of the test is 21 days, except for the +45 °C only 7 days.

pH, 14 DAYS, +4 °C	RESULT
5.0	OK
6.0	OK
7.0	OK
8.0	OK

Stability testing is performed to see whether pH affects the antigen binding, charge or composition of the antibody during 14 days at +4 °C.

MISCELLANEOUS : -

REFERENCES : -

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