

PRODUCT SPECIFICATIONS

Date: 2012-06-28

PRODUCT NAME	:	Anti-Influenza B 9901 SPTNZ-5
PRODUCT SPECIFICITY	:	Antibody recognizes <i>Influenza</i> B nucleoprotein (np)
PRODUCT CODE	:	100117
PRODUCT BUFFER	:	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.05 % Sulfobetaine, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	:	12 months from manufacturing at 2-8 °C
ANALYTE DESCRIPTION	:	Influenza B virus is the only species in a genus in the virus family Orthomyxoviridae. Influenza B viruses are only known to infect humans and seals. This limited host range is apparently responsible for the lack of Influenza B caused influenza pandemics in contrast with those caused by the morphologically similar Influenza A. In addition, Influenza B mutates at a rate 2-3 times lower than type A. However, influenza B mutates enough that lasting immunity is not possible.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	:	Clear liquid, may turn slightly opaque during storage
PRODUCT CONCENTRATION	:	5.0 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	:	80-120 % compared to reference in an IFMA-test
IEF-RANGE	:	6.0 - 7.2
PURITY	:	≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	:	IgG _{2b}
ASSOCIATION CONSTANT	:	N/D
DISSOCIATION CONSTANT	:	N/D
AFFINITY CONSTANT	:	N/D
DETERMINATION METHOD	:	-
ANTIGEN	:	-
CROSS-REACTIVITIES	:	Antibody 9901 does not cross-react with the following bacteria or viruses

Coxsackie -virus types: A9, B5, B6
 Echo-virus types: 2, 3, 6, 7, 9, 11, 25, 30
 Parainfluenza-virus types: 1, 2, 3
 Rhino-virus types: 1A, 2, 13, 15, 37
 Respiratory syncytial virus types: A and B
 Cytomegalovirus AD169
 Herpes simplex virus-types: 1 and 2
B. fragilis, *H. influenzae*, *S. pneumoniae*, *M. catarrhalis*, *N. meningitidis*, *S. agalactiae*, *E. faecalis*, *K. pneumoniae*, *S. pyogenes*, *S. aureus*, *P. aeruginosa*, *E. coli*, *B. pertussis*, *C. albicans*, *N. gonorrhoeae*, β -hemolytic streptococcus group C, β -hemolytic streptococcus group G, *M. pneumoniae*, *S. viridians*, *L. monocytogenes*, *S. epidermidis*, *P. mirabilis*

EPITOPE : N/D

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**
N/D

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**

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.

-70 °C, 21 days	N/D
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+30 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

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 : Walls, H.H., Johansson, K.H., Harmon, M.W., Halonen, P.E., Kendal, A.P. (1986) Time-resolved fluoroimmunoassay with monoclonal antibodies for rapid diagnosis of influenza infections. J. Clin. Microbiol. 24:907-912

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