

## PRODUCT SPECIFICATIONS

Date: 2014-07-24

|                               |   |
|-------------------------------|---|
| <b>PRODUCT NAME</b>           | : Anti-Influenza A 7314 SPTN-5  |
| <b>PRODUCT SPECIFICITY</b>    | : Antibody recognizes <i>Influenza A</i> nucleoprotein (np)   |
| <b>PRODUCT CODE</b>           | : 100431  |
| <b>PRODUCT BUFFER</b>         | : 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1 % NaN <sub>3</sub> as a preservative  |
| <b>SHELF LIFE AND STORAGE</b> | : Shelf life unspecified, storage at 2-8 °C   |
| <b>ANALYTE DESCRIPTION</b>    | : Influenza A is a genus of the Orthomyxoviridae family of viruses and includes only one species which causes influenza in birds and some mammals. There are several subtypes, labeled according to an H number (for the type of hemagglutinin) and an N number (for the type of neuraminidase). There are 16 different H antigens (H1 to H16) and nine different N antigens (N1 to N9). Each virus subtype has mutated into a variety of strains with differing pathogenic profiles; some pathogenic to one species but not others, some pathogenic to multiple species. |

### PARAMETERS TESTED FROM EACH LOT

|                              |  |
|------------------------------|--|
| <b>PRODUCT APPEARANCE</b>    | : Clear liquid, may precipitate during storage which does not alter the product specifications. Precipitate can be removed by centrifugation or filtering. |
| <b>PRODUCT CONCENTRATION</b> | : 5.0 mg/ml (+/- 10 %)   |
| <b>PRODUCT ACTIVITY</b>      | : 80-120 % compared to reference in an IFMA-test   |
| <b>IEF-RANGE</b>             | : 6.2 – 7.0  |
| <b>PURITY</b>                | : ≥ 95 %   |

### PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

|                              |                    |
|------------------------------|--------------------|
| <b>CLASS AND SUBCLASS</b>    | : IgG <sub>1</sub> |
| <b>ASSOCIATION CONSTANT</b>  | : N/D              |
| <b>DISSOCIATION CONSTANT</b> | : N/D              |
| <b>AFFINITY CONSTANT</b>     | : N/D              |
| <b>DETERMINATION METHOD</b>  | : -                |
| <b>ANTIGEN</b>               | : -                |
| <b>CROSS-REACTIVITIES</b>    | : N/D              |

**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**  
- -

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<br>-20 °C, 21 days<br>+4 °C, 21 days<br>+35 °C, 21 days<br>+45 °C, 7 days | OK<br>OK<br>OK<br>OK<br>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.

**MISCELLANEOUS** :

**REFERENCES** : -

### Legal disclaimer

MedixMAB monoclonal antibodies meet their specifications if transported, stored and used according to the instructions for use. See also separate *Notes on use and storage of monoclonal antibodies*. If not otherwise agreed in writing all products are sold under *General Delivery Terms*. Other terms may apply if MedixMAB monoclonal antibodies are purchased from an official distributor of Medix Biochemica products. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission. Further information on products and methods is available from medixMAB website and extranet.