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**ViroStat**

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**Immunochemicals for  
Infectious Disease  
Research**  
www.ViroStat-Inc.com

**OMNITOPE** <sup>TM</sup> product information for

## **Group A Streptococcus**

### **Antiserum Products**

#### **Antibody Characterization**

HOST ANIMAL : Goat

IMMUNOGEN : Streptococci, group A

SPECIFICITY : type specific carbohydrate of group A Streptococcus

TITER : **Immunoaffinity purified specific antibody**

CROSS REACTIVITY : does not react with other Strep groups

UNINFECTED CELL REACTIVITY : N/D

OTHER : Functions both as capture and reporter antibody. Conjugates well with colloidal gold.

#### **1501 Unconjugated Preparation**

This product consists of specific antibody that has been purified from the antiserum via immunoaffinity chromatography . It is formulated in a phosphate saline buffer (0.01M, pH 7.2) containing 0.1% sodium azide preservative. No stabilizing proteins have been added. Antibody concentration is 1.0 mg/ml (A280 nm). Recommended short term (<6 months) storage is liquid at 2-8°C. For longer term storage, aliquot and freeze. Unit size is 1.0 ml liquid.

#### **1507 Biotin Conjugate**

This product consists of immunoaffinity purified antibody covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution. The product is formulated in a phosphate saline buffer (0.01M, pH 7.2) containing 0.1% sodium azide preservative. No stabilizing proteins have been added. Antibody concentration is 1.0 mg/ml (A280 nm). Recommended short term (<6 months) storage is liquid at 2-8°C. For longer term storage, aliquot and freeze. Unit size is 1.0 ml liquid.

#### **1503 Fluorescein Conjugate**

This product consists of immunoaffinity purified antibody covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product. The product is formulated in a phosphate saline buffer (0.01M, pH 7.2) containing bovine serum albumin (10 mg/ml) as a stabilizer and 0.1% sodium azide preservative. Applications for this product include direct FA staining of target antigens. Working dilution must be determined by the user for his or her application but a starting range of 1:10 - 1:50 is suggested. Acetone fixation of the antigen source is recommended prior to staining. ViroStat also recommends use of its COUNTERSTAIN/BLOCKING DILUENT (Cat.#4400) and its MOUNTING MEDIUM (Cat.#4300) for optimum product performance. Enzyme amplification following reaction with FITC conjugate can also be accomplished utilizing ViroStat's enzyme-antibody conjugates specific to FITC (Cat.#s 3104 & 3105). Recommended short term (<6 months) storage is liquid at 2-8°C under subdued light. For longer term storage, aliquot and freeze. Antibody concentration is 1.0 mg/ml (A280 nm). Unit size is 1.0 ml liquid.

#### **1504 Peroxidase Conjugate**

This product consists of immunoaffinity purified antibody covalently coupled to a highly purified preparation of horseradish peroxidase (RZ >3) by methods developed by ViroStat. Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Antibody concentration in this product is 1.0 mg/ml. Estimated molar HRP:IgG substitution is 2-3. This preparation is supplied in a phosphate saline buffer stabilized with bovine serum albumin (10 mg/ml) and preserved with 0.002% thimerosal. This product is suitable for EIA applications. Working strength must be determined by the user but a starting range of 1:200 - 1:1,000 is recommended for enzyme immunoassays. Recommended short term (<6 months) storage is liquid at 2-8°C. For longer term storage, aliquot and freeze. Unit size is 1.0 ml.

**NOTE: sodium azide is a potent inhibitor of peroxidase !**

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES**

Comments:

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