Mumps Virus Antigen

PRODUCT OVERVIEW

Product Name	Mumps Virus Antigen
Full Product Name	Mumps (Strain: Enders)
Product Synonym Names	Mumps (Strain Enders) <10% Viral Protein
Host	LLC-MK2 Cells
Form/Format	Liquid; 0.1M Glycine, pH 9.3 - 9.7
Preparation and Storage	Store at <=-65°C. Avoid multiple freeze/thaw cycles. Shipping: Dry Ice.
Host Note	Grown in LLC-MK_2 Cells Product manufactured in the United States using only domestic animal materials procesed in U.S facilities.
Protein Concentration	OD 260/280nm Assay: Acceptable Range:0.6-1.0mg/ml Testing Results: 0.87mg/ml
Inactivation	Product inactivated by UV and verified by Infectivity Testing (cell Culture). Acceptable Range: 0 CPE Testing Results: Pass
Activity	ELISA Assay: Reference Lot Number: M14138009 Testing Results: Midpoint Titer (test antigen): 601.51 Acceptable Range: -15% - +50% of Reference Antigen % of reference: -0.69% Testing Results Midpoint Titer (reference antigen): 605.68 Background ELISA Ratio: Acceptable <=2 Test Result: 0.9 Sensitivity/Specificity Negative Control: Acceptable to report Test Result: Acceptable Sensitivity/Specificity Medium Positive Control: Acceptable >=3 Test Result: 5.93 Sensitivity/Specificity High Positive Control: Acceptable >= 8 Test Result: 16.36
Viral Strain	Enders
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for Mumps Virus Antigen antigen	Infectious Disease Antigens and Toxins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for Mumps Virus Antigen antigen	ELISA

Application Notes for Mumps Virus Antigen antigen	Each laboratory should determine an optimum working titier for use in its particular application.
Related Product Information for Mumps Virus Antigen antigen	Mumps Virus A **Introduction:** Mumps Virus is a systemic viral disease of man. The most visibly apparent clinical symptom is demonstrated in two-thirds of infections, causing a characteristic swelling of salivary glands. Although other symptoms including sequela, meningioencephalitis, orchiditis leading to atrophy and some fetal wastage may be attributed to the disease. However, most cases are limited to nausea, vomiting, neck stiffness and headache. Control measures for mumps have been quite successful with the prevention of the disease through childhood vaccinations. Serological identification of Mumps infection is the most common method of identification. Testing for the presence of Mumps antibody is a method of differentiating the disease from other parotitis-causing agents and to identify potential candidates for vaccination. The detection of IgM antibody appears to be the most sensitive method to indicate acute infection, with little cross-reactivity presented with related antigens. However, current IgG antibody test for Mumps virus appear to cross-react with parainfluenza virus antigens. The Mumps antigen product MBS318648 is prepared from a glycine extraction of LLC-MK2 cells infected with the Mumps Virus strain Enders. The preparation is partially purified to reduce host cell components. The Mumps antigen is inactivated by ultraviolet light and is tested for infectivity prior to release. The purification process yields a Mumps antigen which has a high sensitivity and low background in the ELISA assay.
Other Notes	Small volumes of Mumps Virus Antigen antigen vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Mumps Virus Antigen purchase	MBS318648 is an antigen targeting Mumps Virus Antigen. Also known as Mumps (Strain: Enders). Host: LLC-MK2 Cells.

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