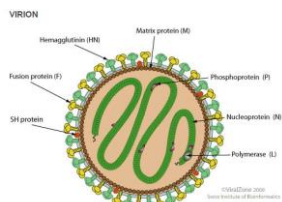


Product Specification Sheet

Anti- Respiratory Syncytial virus (RSV) Antibody controls

<input type="checkbox"/> 520-100-01N	Human Anti-Mumps Virus (parotitis) IgG negative serum	Size: 1 ml
<input type="checkbox"/> 520-100-02P	Human Anti-Mumps Virus (parotitis) IgG positive serum	Size: 1 ml



Mumps and epidemic parotitis is a viral disease of the human species, caused by the mumps virus. Painful swelling of the salivary glands (classically the parotid gland) is the most typical presentation. Painful testicular swelling (orchitis) and rash may also occur. The symptoms are

generally not severe in children. The disease is generally self-limited, running its course before receding, with no specific treatment apart from controlling the symptoms with pain medication. Mumps is a contagious disease that is spread from person to person through contact with respiratory secretions such as saliva from an infected person. Mumps can also be spread by sharing food. A person infected with mumps is contagious from approximately 6 days before the onset of symptoms until about 9 days after symptoms start.

A physical examination confirms the presence of the swollen glands. Usually the disease is diagnosed on clinical grounds and no confirmatory laboratory testing is needed. If there is uncertainty about the diagnosis, a test of saliva or blood may be carried out; a newer diagnostic confirmation, using real-time nested polymerase chain reaction (PCR) technology, has also been developed. An estimated 20%-30% of cases are asymptomatic. As with any inflammation of the salivary glands, serum amylase is often elevated.

Before the development of vaccination and the introduction of a vaccine, it was a common childhood disease worldwide. It is still a significant threat to health in the third world, and outbreaks still occur sporadically in developed countries. The most common preventative

measure against mumps is immunization with a mumps vaccine. The vaccine may be given separately or as part of the MMR immunization vaccine which also protects against measles and rubella. The efficacy of the vaccine depends on the strain of the vaccine, but is usually around 80%. The Jeryl Lynn strain is most commonly used in developed countries but has been shown to have reduced efficacy in epidemic situations. The Leningrad-Zagreb strain commonly used in developing countries appears to have superior efficacy in epidemic situations.

Storage

Short-term: unopened, undiluted vials for less than a week at 4°C.

Long-term: at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20°C or below.

Shipping: 4°C for solutions and room temp for powder.

Source of Antibodies

Human serum containing antibodies to mumps virus protein as tested by Human Anti-Mumps Virus IgG ELISA kit # 520-100-HMG. Control sera are provided in a stabilizing buffer and 0.05% azide. Store liquid at 4°C for up to 3 months or frozen in suitable size aliquots.

Recommended as positive and negative controls for Human Anti-Mumps Virus protein IgG by ELISA (#520-100-HMG).

Use undiluted in 50-100 ul per well or dilute as necessary depending upon the sensitivity of the detection. The controls may register different values if tested in a kit from a different manufacturer.

General References: Hviid A (2008) The Lancet 371 (9616): 932-44; Gupta, RK (2005). BMJ (Clinical research ed.) 330 (7500): 1132-5; Kutyk PK (2010) Clinical Infectious Diseases 50 (12): 1619-28.

*This product is for In vitro research use only.

Related material available from ADI

Catalog#	Prod Description
520-100-01N	Human Anti-Mumps Virus (parotitis) IgG negative serum
520-100-02P	Human Anti-Mumps Virus (parotitis) IgG positive serum
520-100-HMG	Human Anti-Mumps Virus (parotitis) IgG ELISA, 96 tests
520-110-HMM	Human Anti-Mumps Virus (parotitis) IgM ELISA, 96 tests
520-120-HMA	Human Anti-Mumps Virus (parotitis) IgA ELISA, 96 tests
520-130-05N	Mouse Anti-Mumps Virus (parotitis) IgG negative serum
520-130-06P	Mouse Anti-Mumps Virus (parotitis) IgG positive serum
520-130-MMG	Mouse Anti-Mumps Virus (parotitis) IgG ELISA, 96 tests
520-140-MMM	Mouse Anti-Mumps Virus (parotitis) IgM ELISA, 96 tests
520-150-MMA	Mouse Anti-Mumps Virus (parotitis) IgA ELISA, 96 tests
520-160-03N	Monkey Anti-Mumps Virus (parotitis) IgG negative serum
520-160-04P	Monkey Anti-Mumps Virus (parotitis) IgG positive serum
520-160-MMG	Monkey Anti-Mumps Virus (parotitis) IgG ELISA, 96 tests
520-165-MMM	Monkey Anti-Mumps Virus (parotitis) IgM ELISA, 96 tests
MUMS11-S	Anti-Mumps virus (Enders) Virus antiserum
MUMS11-SB	Anti-Mumps virus (Enders) Virus antiserum
MUMS12-M	Monoclonal Anti-Mumps virus (Enders) Virus IgG
MUMS15-N-500	Mumps virus (Enders) proteins/antigens extract

520-100-01N-Human-anti-Mumps-control 160425SV

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