



MuV Grade 2 (DAG-H10369)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The resulting antigen preparation contains a high concentration of virus and viral components as well as some cellular material suspended in 1969B.
Species	MuV
Conjugate	Unconjugated
Applications	IgG and IgM ELISA Western Blot
Size	1 ml, 10 ml
Preservative	None
Storage	Store this antigen preparation frozen at -70 °C to -100 °C. Repeated freezing and thawing should be avoided.

BACKGROUND

Introduction	Mumps is one of the commonly acquired viral diseases of childhood and is the most common cause of aseptic meningitis. However, its incidence in developed countries has declined dramatically since the advent of vaccination. A member of the paramyxovirus family, it is closely related to parainfluenza viruses. Its genome is ss RNA of 16 - 18 kbp, and it is an enveloped virus of helical symmetry. The single RNA molecule, in a helical nucleocapsid, is in association with the nucleoprotein (NP). M protein forms the structure which underlies the viral envelope. The HN (haemagglutination and neuraminidase protein) and the F (fusion) protein form the spikes present on the lipid bilayer envelope. Only one serotype of the virus exists. There is significant antigenic cross-reaction with other members of the paramyxovirus genus.
Keywords	Mumps; MuV; Mumps virus