

Datasheet: PIP008

Description:	NATIVE HEPATITIS A VIRUS
Name:	HEPATITIS A VIRUS
Format:	Inactivated Pathogen
Product Type:	Antigen
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Inactivated Hepatitis A virus - liquid
Preparation	Hepatitis A virus, strain HM-175, cultured in FRhK ₄ , an established cell line from fetal Rhesus monkey kidney. Cells infected with Hepatitis A virus are collected by centrifugation. Pelleted cells are resuspended in glycine buffer and disrupted to release viral particles. Cellular debris is removed by centrifugation and the antigen preparation is further purified by extraction with freon. The antigen preparation is inactivated by incubating with formaldehyde for 96 hours.
Buffer Solution	Glycine buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Total protein concentration 0.26 mg/ml
Product Information	Native Hepatitis Virus preparation contains a high concentration of viral antigen, predominantly in the form of whole virions. The preparation also contains a low

concentration of formaldehyde with some residual host cellular material.

Hepatitis A virus is a non-enveloped, icosahedral virion with a single stranded RNA genome. Only one serotype of HAV is known and it does not cross-react with Hepatitis B virus. The virus contains four proteins VP1, VP2, VP3 and VP4.

Hepatitis A is a wide-spread infectious disease, resulting from infection of the liver by the Hepatitis A virus (HAV). Hepatitis A infection causes jaundice, fever, anorexia, nausea, vomiting, headache and fatigue. Some cases may be fatal. The virus is mainly transmitted by the faecal-oral route via contaminated food or drinking water. The HAV is a picornavirus that replicates slowly without noticeable interference to host cell macromolecular synthesis and, consequently, without apparent cytopathic effect. The liver pathology observed is likely to be immune-mediated.

Activity Antigenic activity is 91% of internal reference standard

Instructions For Use This product should be sonicated immediately before use to ensure the preparation is uniform. The product may be used in a variety of immunoassay formats or may be further purified to meet the requirements of a particular assay format.

Storage Store at -70°C.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.

Guarantee 18 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10220 available at:
10220: <https://www.bio-rad-antibodies.com/uploads/MSDS/10220.pdf>

This product has been rendered inactive by standard procedures. However this material should still be handled as infectious and should be disposed of appropriately.

Regulatory For research purposes only

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