



# Native Hepatitis A Virus Antigen (DAG4428)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Hepatitis A-Virus (HAV)
<b>Specificity</b>	HAV-Antigen content is defined by a standard lot in units per milliliter (U/ml), measured by HAV-Antigen EIA.
<b>Species</b>	HAV
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	immunogen
<b>Format</b>	HAV-Antigen is prepared of the supernatant of infected Wannenstapel and dialysed against phosphat buffered saline. The product does not contain, and is not derived from, specified risk material as defined in Commission Decision 97/534/EC.
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	Hepatitis A Virus (HAV) is a 27nm nonenveloped, spherical, positive stranded RNA virus, classified within the genus hepatovirus of the picornavirus family and is among the smallest and structurally simplest of the RNA animal viruses. A single large polyprotein is expressed from a large open reading frame extending through most of the genomic RNA. This polyprotein is subsequently cleaved by a viral protease (3Cpro) to form three (possibly four) capsid proteins and several nonstructural proteins. HAV genomic replication occurs exclusively in the cytoplasm of the infected hepatocyte by a mechanism involving an RNA-dependent RNA polymerase.
<b>Keywords</b>	HAV; Hepatitis A Virus; Picornaviridae; Hepatovirus; Hepatitis A