

Native Cytomegalovirus Purified Antigen

Cat. No. CYT-145 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Cytomegalovirus purified antigen has been manufactured in response to the in-vitro diagnostics (IVD) industry's requirement for a cost effective antigen which can demonstrate a high affinity IgG and for IgM. This Cytomegalovirus (CMV) purified antigen when compared to standard lysates reduces the likelihood of cross-reactivity and minimizes lot to lot variation. The product can readily be scaled to meet the need for bulk volumes at significant discounts. CMV purified antigen is offered in a ready to use liquid format.

Background

Cytomegalovirus (CMV, or human betaherpesvirus 5) is a human-specific double-stranded DNA virus, belonging to the Herpesviridae family. CMV is ubiquitous and CMV infection is globally widespread. The virus is transmitted through direct contact with infected bodily fluids, or through contact with virus-infected transplant and transfusion material. Presently, CMV infection is mostly controlled in immune compromised patients by available antiviral drugs, yet it continues to maintain its role as one of the most dangerous infectious agents for an unborn infant. Primary infection is consistently associated with the presence of a virus specific IgM antibody response. Use of Cytomegalovirus purified antigen will aid in improving serology based assays for early detection.

Purity

Purified by ultracentrifugation

Inactivation

Purified virus particles were lysed in 0.2% Triton X-100 in STE buffer. The lysate was tested by passage on permissive cells for 2 weeks yielding no CPE.

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Formulation	0.2% Triton X-100, 10mM Tris-HCl, 1mM EDTA and 100mM NaCl, pH7.8
Storage	Store frozen at less than -20 centigrade, preferably -80 centigrade.
Concentration	Adjusted to 1 mg/mL by BCA assay
Notes	This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.
Type	Native
ClassID 1	Infectious Disease
GENE INFORMATION	
Synonyms	CMV

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