



Rotavirus Grade 3 (DAG-H10379)

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

PRODUCT INFORMATION

Antigen Description	This product contains inactivated rotavirus in Bicine/EDTA buffer.
Nature	Native
Expression System	N/A
Species	Rotavirus
Conjugate	Unconjugated
Applications	Positive control in lateral flow (rapid) assays IgG and IgM detection in immunoassays including EIA with polystyrene, latex, nanogold and/or iron solid phases using different detection systems (colorimetric, chemiluminescent)
Preparation	A monolayer of MA104 cells is infected with Rotavirus particles. As the infection progresses, rotavirus is released into the culture supernatant. Infectious culture supernatant is collected and Rotavirus is purified from infected cells and the culture med
Procedure	None
Preservative	None
Storage	Store this preparation at -70 °C to -1 00 °C. Repeated freezing and thawing should be avoided. Once thawed, use within 24 hours.

BACKGROUND

Introduction Rotavirus is the most common cause of severe diarrhea among infants and young children. It is a genus of double-stranded RNA virus in the family Reoviridae. Nearly every child in the world has been infected with rotavirus at least once by the age of five. Immunity develops with each infection, so subsequent infections are less severe; adults are rarely affected. There are five species of this virus, referred to as A, B, C, D, and E. Rotavirus A, the most common species, causes more than 90% of rotavirus infections in humans.

Keywords Rotavirus