

Rotavirus

DAG4705 Rotavirus

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Rotavirus
Description	Virus is extracted from infected cells and concentrated. The product contains a high concentration of virus and some cell culture components.
Source	MA-104 cells
Species	Rotavirus
Immunogen	Rotavirus - Strain SA11 (Simian rotavirus)
Inactivation	Detergent treatment. Inactivity is confirmed by attempted growth under original culture conditions. Since no procedure can guarantee absolute sterility, the reagent should be handled with appropriate safety precautions.
Applications	By CFT

PACKAGING

Storage	-20° C to -80°C. Avoid repeated freeze-thaw cycles
Shipping	10 years from manufacture

BACKGROUND

Introduction	Rotaviruses, members of the family Reoviridae, are a major cause of diarrhoea in young mammals. Rotavirus infections also result in economic losses in agriculture due to diarrhoea in calf, pig, sheep, and poultry rearing. Diarrhoea (or scours) due to the rotavirus Nebraska Calf Diarrhea Virus can affect calves up to 30 days of age or older. Diarrhoea begins 2 to 3 days after exposure. Diagnosis is by history, lesions (ulcers on the tongue, lips, and mouth) and diagnostic laboratory tests. Mortality rates may be as high as 50 percent, depending on the secondary bacteria present.
Keywords	Major inner capsid protein VP6; VP6; Rotavirus; Group III (dsRNA); Unassigned; Reoviridae; Sedoreovirinae; Rotavirus A; Rotavirus B; Rotavirus C; Rotavirus D; Rotavirus E; Rotavirus

REFERENCES

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2. Velázquez FR, Matson DO, Calva JJ, Guerrero L, Morrow AL, Carter-Campbell S, Glass RI, Estes MK, Pickering LK, Ruiz-Palacios GM (1996). *N. Engl. J. Med.* 335 (14): 1022–8