



ViroProbe™ Bovine Astrovirus CH15 Capsid Protein Probe, C2

Cat. No.: VRS-0124-YT1135

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Creative Biolabs provides probes that can amplify target-specific signals and detect RNA target expression with high sensitivity and specificity. This probe is specific for the detection of bovine astrovirus isolate CH15 capsid protein RNA in cellular and tissue environments. The probe can be used in situ hybridization. The probe is for BoAstV infections (including gastroenteritis and neurological symptoms) research use only and is not approved for use in humans or in clinical diagnosis.

Product Summary

Product Type	RNA Probe
Probe Type	Standard Probe
Specificity	Bovine astrovirus
No. of Pairs	20
Application	ISH
Application Notes	This probe is sufficient for staining 20 sections, each with an area of approximately 20 mm x 20 mm.
Sample Source	Formalin-fixed, paraffin-embedded (FFPE) tissue, fresh-frozen tissue, fixed-frozen tissue, and cultured cells.
Assay Type	Chromogenic assay; Fluorescent assay
Channel	C2

Product Specification

Size	3 mL
Form	Liquid
Concentration	50× concentrated stock
Storage	Store at 2-8°C for long term. Refer to the COA file for specifics.
Shelf Life	Stable for two year after receipt when stored as recommended.

Target Details

Full Name	Bovine astrovirus
Accession number	KT956903.2
Target Region	5105-5993
Introduction	Astroviruses (AstV) belong to the Astroviridae family, including two genera Mamastrovirus (MAstV) and Avastrovirus (AAstV). MAstV infection presents clinically as gastroenteritis and neurological symptoms in mammals. AAstV can lead to hepatitis, nephritis and diarrhea in birds. Astroviruses are genetically diverse and may cause cross-species transmission, including a high potential for zoonoses. The first isolate of bovine astrovirus (BoAstV) was reported in England in 1978. The reports of BoAstV in cattle with intestinal disease, neurological symptoms and even respiratory diseases indicate that it has multiple tissue tropism.
Alternative Names	Astrovirus; Bovine astrovirus; BoAstV; BAsTV
Virus Subtype	Bovine astrovirus isolate CH15

Virus Details

Virus Family	<i>Astroviridae</i>
Virus Genus	<i>Mamastrovirus</i>
Accession number	KT956903.2
Virus Abbrev	HPV44
Virus Name	Bovine astrovirus
Genome Composition	ssRNA(+)
Related Disease	Intestinal disease, neurological symptoms and respiratory disease