

PRODUCT SPECIFICATION							
RECOMBINANT PROTEINS							
PRODUCT							
Specification	HIV-1 gp41	HIV-2 gp36	HCV CORE	NS3	NS4	NS5	PROTEIN - A
Source	<i>E.coli</i> derived	<i>E.coli</i> derived	<i>E.coli</i> derived	<i>E.coli</i> derived	<i>E.coli</i> derived	<i>E.coli</i> derived	<i>E.coli</i> derived
Description	Recombinant gp41 of HIV-1. gp41 sequence is cloned in <i>E.coli</i> expression system.	Recombinant gp36 HIV-2. gp36 sequence is cloned in <i>E.coli</i> expression system.	Recombinant core protein of Hepatitis C virus. HCV sequence from Core region cloned into <i>E.coli</i> expression system.	Recombinant NS3 protein of Hepatitis C virus. HCV sequence from NS3 region cloned into <i>E.coli</i> expression system.	Recombinant NS4 protein of Hepatitis C virus. HCV sequence from NS4 region cloned into <i>E.coli</i> expression system.	Recombinant NS5 protein of Hepatitis C virus. HCV sequence from NS5 region cloned into <i>E.coli</i> expression system.	Recombinant Protein-A of strephalo cocci. Proteine-A specific sequence is cloned in <i>E.coli</i> vector.
Molecular Weight	14kDa with 128 amino acids	38 kDa with 345 amino acids	23kDa with 210 amino acids	37kDa with 374 amino acids	30kDa with 256 amino acids	46kDa with 374 amino acids	30kDa with 270 amino acids
Specificity	Immunoreactive with sera of HIV-1 infected individuals	Immunoreactive with sera of HIV-2 infected individuals	Immunoreactive with sera of Hepatitis C virus infected individuals	Immunoreactive with sera of Hepatitis C virus infected individuals	Immunoreactive with sera of Hepatitis C virus infected individuals	Immunoreactive with sera of Hepatitis C virus infected individuals	Reactive with IgG from several species
Application	Reacts with antibodies to HIV-1 as determined by ELISA/Western Blot/Spot Test/Card Test (Lateral Flow)	Reacts with antibodies to HIV-2 as determined by ELISA/Western blot /Spot Test/Card Test (Lateral Flow)	Reacts with antibodies to HCV Core as determined by ELISA/Western Blot Slot Blot and Rapid tests	Used as Antigen to detect HCV antibodies in sera by ELISA/Western Blot Slot Blot and RAPID tests	Used as Antigen to detect HCV antibodies in sera by ELISA/Western Blot Slot Blot and RAPID tests	Used as Antigen to detect HCV antibodies in sera by ELISA/Western Blot Slot Blot and RAPID tests	Used as HRP conjugator CGC in detection of HIV/ HCV antibodies by ELISA, Western Blot, Dot Blot and RAPID tests
Purification Method	Nickel Chelate affinity Chromatography	Nickel Chelate affinity Chromatography	Nickel Chelate affinity Chromatography	Nickel Chelate affinity Chromatography	Nickel Chelate affinity Chromatography	Nickel Chelate affinity Chromatography	IgG agrose affinity Chromatography
Purity	The Protein is >98% Pure as determined by SDS-PAGE	The Protein is >98% Pure as determined by SDS-PAGE	The Protein is >98% Pure as determined by SDS-PAGE	The Protein is >98% Pure as determined by SDS-PAGE	The Protein is >98% Pure as determined by SDS-PAGE	The Protein is >98% Pure as determined by 12% SDS-PAGE	The Protein is >98% Pure as determined by SDS-PAGE
Concentration	1 mg/ml	1 mg/ml	1 mg/ml	1 mg/ml	1 mg/ml	1 mg/ml	1 mg/ml
Medium	6M Urea, 50mM Tris pH 7.9	6M Urea, 50mM Tris. pH 7.9	6M Urea, 50mM Tris. pH 7.9	6M Urea, 50mM Tris. pH 7.9	Tris Buffer (pH 8.0) with b-Mercapto ethanol	Tris Buffer (pH 8.0) with b-Mercapto ethanol	50mM Tris. pH 7.9
Storage	Short term 2-8°C ; Long term 20°C	Short term 2-8°C ; Long term 20°C	Short term 2-8°C ; Long term 20°C	Short term 2-8°C ; Long term 20°C	Short term 2-8°C ; Long term 20°C	Short term 2-8°C ; Long term 20°C	Short term 2-8°C ; Long term 20°C



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An ISO 9001:2000 and ISO 13485:2003 Company

BHAT BIO HRP STABILIZER

A Ready to use HRP Stabilizer for ELISA

BHAT BIO HRP STABILIZER is made specifically for Horseradish Peroxidase (HRP) conjugates in solution. HRP stabilizer performs best with any type of ELISA, direct or indirect or sandwich assays. This can also be used in competitive assays.

- **The product is sterile filtered and contains a mercury-free, azide free preservative.**
- **Ready to use, no dilution is required.**
- **The product is stable for more than 12 months when stored at 4°C or more than 24 months when stored at -20°C.**
- **Non-carcinogenic**
- **Lowest assay to assay variability**

Bhat Bio-Tech India (P) Ltd has purchased the latest technology and formulation of HRP stabilizer from a well respected Company from USA.

Product	Cat. No.	Size
HRP STABILIZER	HRS 100	100 ml
	HRS 500	500 ml
	HRS 1000	1000 ml

Bigger packs are available on request.

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