Datasheet for 000-001-J08

E.coli HCP Control

Overview

Description:	E.coli Host Cell Protein Control Protein (HCP) - 000-001-J08
Item No.:	000-001-J08
Size:	50 µg
Applications:	2D-PAGE, SDS-PAGE, WB
Origin:	E. coli
Expressed in:	E. coli

Product Details

Background:	Host Cell Protein Lysate was prepared by solubilizing mock induced E. coli cells. Host Cell Proteins are process-related impurities derived from a host cell expression system that may be present in trace amounts in a final drug substance. HCP Antibodies are used to detect impurities in biologically-based therapeutics. Detecting impurities often unseen by 1-D electrophoresis, a 2D electrophoresis western blot analysis delivers more complete insight into the immunocoverage of protein components of the host cell lysate.
Synonyms:	control protein, Escherichia coli Host Cell Proteins, HCP antigen, E.coli control antigen
Species of Origin:	E. coli
Expressed in:	E. coli

Target Details

Immunogen Type:	Native Protein
Purity/Specificity:	E. coli Host Cell Protein Control Protein was prepared by solubilizing mock induced E. coli (BL21) cells.

Application Details

Tested Applications:	2D-PAGE, SDS-PAGE, WB

Application Note:	E. coli Host Cell Protein Control Proteins detects over 300 E. coli proteins and is suitable for 2D PAGE and western blotting.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

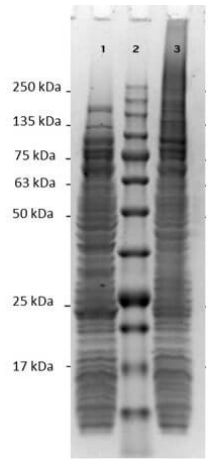
Formulation

Physical State:	Liquid (in 1x Loading Buffer)
Concentration:	2.0mg/mL by modified Lowry assay
Buffer:	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Preservative:	None
Stabilizer:	None

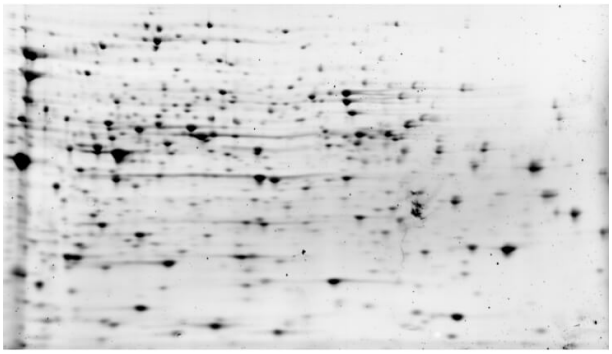
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store Host Cell Proteins control protein at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



SDS-PAGE
SDS-PAGE results of E.coli Host Cell Protein Control Protein. Lane 1: reduced E. coli HCP control protein lysate. Lane 2: Opal Prestained Molecular Weight Ladder. Lane 3: non-reduced E. coli HCP control protein lysate.



Western Blot
2D Oriole Stain of E.coli HCP Control Protein. Load: 35ug
Total HCP. pH: 5-8. Exposure: 1.0s. Stain: Oriole.

Disclaimer

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