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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, E.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

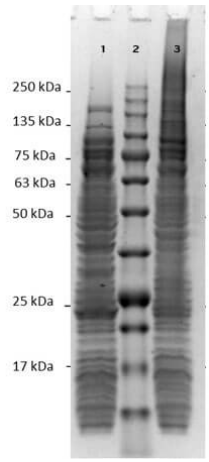
Formulation

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

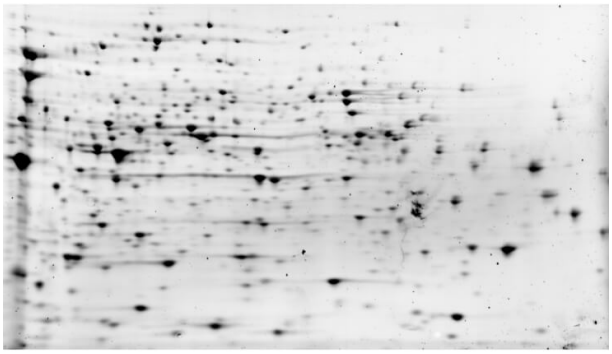
Shipping & Handling

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.