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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet for IPTG-1000**IPTG****Overview**

Description:	IPTG (Isopropyl- β -D-thiogalactopyranosid) Inducer for Beta-Galactosidase Expression - IPTG-1000
Item No.:	IPTG-1000
Size:	1 g

Product Details

Background:	IPTG (isopropyl beta-D-thiogalactoside) Inducer for Beta-Galactosidase Expression acts as a molecular mimic of a lactose metabolite. The presence of IPTG triggers the activation of the lac operon for downstream gene transcription due to its binding the lac repressor. Due to the presence of a sulfur atom in IPTG, the cells cannot degrade the inducer and therefore its concentration remains constant. IPTG (isopropyl beta-D-thiogalactoside) Inducer for Beta-Galactosidase Expression is ideal for investigators in Immunology, Cell Biology, and Microbiology research.
Synonyms:	Isopropyl β -D-1-thiogalactopyranoside, IPTG

Target Details

Purity/Specificity:	IPTG is >99.0% (enzymatic)
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Application Details

Application Note:	IPTG (isopropyl beta-D-thiogalactoside) Inducer for Beta-Galactosidase Expression is utilized in cloning experiments to determine positive incorporation of a construct of interest as well as in inducing recombinant protein expression.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1X
WB:	1X
Other:	DOE: 30JUN2027

Formulation

Physical State: Solid

Concentration: 1X

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store container at -20° C prior to opening. Protect from moisture and light. No special shipping conditions or precautions are required.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Bottle

IPTG (Isopropyl- β -D-thiogalactopyranosid) Inducer for Beta-Galactosidase Expression

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.

