

PRODUCT INFORMATION

IPTG Solution, ready-to-use

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Lot: _ _ _ _ Expiry Date: _ _ _ _

Concentration: 100 mM aqueous solution.

Store at -20°C

www.thermoscientific.com/onebio

Description

100 mM IPTG (isopropyl- β -D-thiogalactopyranoside) is a non-toxic, stable, 0.22 μ m membrane-filtered ready-to-use aqueous solution. It is specially designed for direct use in conjunction with X-Gal (#R0941) to determine the *lac* phenotype in blue/white colony screening.

The IPTG is a highly stable synthetic analog of lactose. It inactivates the *lac* repressor and induces synthesis of β -galactosidase, an enzyme that promotes lactose utilization.

Note

For blue/white screening, 0.1 mM final IPTG concentration in LB (Luria Broth) media is recommended.

CERTIFICATE OF ANALYSIS

Functionally tested in the blue/white cloning assay.

Quality authorized by:  Jurgita Zilinskiene

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.thermoscientific.com/onebio for Material Safety Data Sheet of the product.

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