

IPTG

Cat. No.: S-5039; 0.24 g



MANUAL

Description: DENAzist IPTG (Isopropyl β -D-1-thiogalactopyranoside) is a chemical analogue of galactose that induces the lac operon and leads to protein expression where the gene is under the control of the lac operator. For induction of expression, it is used in a final concentration of 0.1 to 1 mM.

VERSION: Dec 2021

Shipping: on ice
Batch No.: See box
Store at dark & -20 °C

INSTRUCTIONS to prepare and use IPTG

1. The product is provided as powder.
2. Add 1 ml sterile water to the tube and dissolve. This solution would be a 1000 mM stock.
3. Filter sterilize the solution using a 0.22 μ m syringe filter.
4. Store the prepared solution at -20 °C.
5. To induce bacterial protein expression from genes controlled by the lac or tac promoter/operator sequences, take appropriate volume from the stock solution and dilute it in the culture medium to a final concentration of 0.1 to 1 mM.

Components:

IPTG; 0.24 g

Notes: Research Use Only
This product insert declares that this product has been analyzed and passed the quality control tests at the time of manufacture.