

Product Name	Cat. No.	Pack Size
IPTG	# BB-C0010	25 gm

Product Information:**Isopropyl b-D-1-thiogalactopyranoside**

- Storage Temperature:** -20 °C
- CAS #** 367-93-1
- Synonym:** IPTG

Product Description:

- Molecular Formula:** C₉H₁₈O₅S
- Molecular Weight:** 238.30
- Appearance:** White to off-white powder.
- Melting Point:** 105°C

IPTG (Isopropyl-beta-D thiogalactopyranoside) is a highly stable synthetic analog of lactose is used for the induction of gene expression under control of the lac promoter. This dioxane free crystalline solid isopropyl-β-d-thiogalactopyranoside is more than 99% pure.

Product Profile

The product can be added to culture media, for induction of recombinant protein expression where the gene is under the control of the lac operator. The recommended concentration for

protein induction uses in culture media is 0.5 mM to 1mM.

Preparation Instructions

Solubility of IPTG in water is at 250 mg/ml. The solution of IPTG may be filtered through 0.22 μm filter and may be aliquoted and stored at -20 °C.

Storage and Stability:

As supplied, this product should be stored at -20 °C and will have shelf-lives of 18 months if stored properly.