

★ Storage

It should be stored at -20°C upon receipt. Excessive freeze/thawing is not recommended. Store protected from light. When stored under optimum condition, it is stable for up to 24 months from date of purchase.

✎ Contents

- Product Manual
- 100mM IPTG Solution, Ready-To-Use

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship with ice pack.

★ Description

Isopropyl D-thiogalactopyranoside (IPTG) Solution is a non-toxic, stable, 0.22µm membrane-filtered ready-to-use aqueous solution. It is specially designed for direct use in conjunction with X-Gal (#X0321) to determine the *lac* phenotype in blue/white colony screening. It induces the *E. coli lac* operon activity by binding and inhibiting the *lac* repressor without being degraded. Genes controlled by the *lac* or *tac* promoter sequences are expressed to high levels in the presence of IPTG.

★ Applications

- * Blue/white colony screening
- * Induction of *lac* operon of protein expression

★ Quality control

- * Dioxane-free
- * Functional tested in blue/white colony screening

★ Related Products

Product Name	Cat No
Albumin, (IgG, Fatty Acid and Protease Free)	A0100
AffiSelect Cox IV Loading Control Antibody	A0017
AffiSelect GAPDH Loading Control Antibody, 100µg	A0039
AffiSelect Beta-Actin Loading Control Antibody, 100µg	A0042
AffiSelect α-Tubulin Loading Control Antibody, 100µg	A0050
NP-40 Lysis Buffer (2X)	N1200
Affiselect Total Protein Extraction Solution	A0710
RIPA Cell Lysis Buffer (1X) with EDTA	R4100
Xert Protease Inhibitor Cocktail Solution (100X)	P3100
Xpert Prestained Protein Marker (6.5-240 kDa)	P8502
Xpert 2 Prestained Protein Marker (10-240 kDa)	P8503
TBS Buffer, 20X, pH 7.4	T8054
West-Ez Stripping buffer	S2100
Goat anti-Rabbit IgG(H+L)-HRP, 1mg/ml	SA002
Rabbit anti-Goat IgG(H+L)-HRP, 1mg/ml	SA007
Tween 20, Molecular Biology Grade	T9100
West-Q Pico Dura ECL Solution	W3653
West-Q Femto ECL Solution	W3700
West-Ez Blocker, 5% Non-Fat Kit	W3710