



## 100 mM IPTG

Cat. No.	size
E0207-01	10 x 1 ml

**Storage Conditions:** Store at -20°C.  
Avoid repeated freeze -thaw cycles.

100 mM IPTG (Isopropyl D-thiogalactopyranoside) is a non-toxic, stable, filtered and ready-to-use aqueous solution.

### **Description:**

IPTG is a highly stable synthetic analog of lactose. It inactivates the lac repressor and induces synthesis of beta-galactosidase. The IPTG is used to induce the expression of cloned genes which are under control of the lac operon. It is used in conjunction with X-Gal to determine the lac phenotype in blue/white colony screening.

### **Quality Control:**

Functional tested in blue/white colony screening.

This product is developed, designed and sold exclusively for research purposes and in vitro use only.