

# IPTG

Cat. No. ABTGGF101-01

Concentration: 500 mM

## Description:

Isopropylthio- $\beta$ -galactoside (IPTG) is an effective inducer of  $\beta$ -galactosidase activity. It is commonly used with X-gal to detect lac gene activity in cloning based on blue/white selection. It is also used as an inducer of protein expression in lac or tac promoter-regulated expression vectors.

## Applications

- IPTG used with X-gal in blue/white screening.
- Used as an inducer of protein expression under the control of lac or tac promoter.