



# Product Specifications

## X-GAL

5' bromo-4-chloro-3-indolyl- $\beta$ -D-galactopyranoside

<u>Catalog #</u>	<u>Size</u>
IB02260	1gm
IB02264	100mg
IB02265	25gm

### Physical Specifications

CAS#	7240-90-6
Molecular Formula	$C_{14}H_{15}BrClNO_6$
Molecular Weight	408.64
Purity	Min. 99%
Solubility (2%, in N,N' DMF)	Clear and colorless

### Molecular Biology Specifications

Optical rotation (C=1)	Pass
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### Recommended Use

A histochemical substrate for  $\beta$ -galactosidase, allowing the detection of lac gene expression. To make a stock solution of X-GAL, dissolve the X-GAL in dimethylformamide to make a 20mg/ml solution. Use either a glass or polypropylene tube. Add 4ml of this solution per liter of culture media. The tube containing the solution should be wrapped in aluminum foil to prevent damage by light and should be stored at  $-20^{\circ}C$ . (It is not necessary to sterilize X-GAL solutions by filtration.)

### Storage

Store desiccated at  $-20^{\circ}C$ . Warm to room temperature before opening. Keep tightly sealed.

### Warning

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.