

PRODUCT INFORMATION

X-Gal

5-bromo-4-chloro-3-indolyl-β-D-galactopyranoside

#_ —

Lot: —

Formula: $C_{14}H_{15}BrClNO_6$

Molecular Weight: 408.6

Store at -20°C in the dark.

Description

X-Gal (5-bromo-4-chloro-3-indolyl-β-Dgalacto-pyranoside) is an inert chromogenic substrate for β-galactosidase which hydrolyzes X-Gal into colorless galactose and 4-chloro-3-brom-indigo, forming an intense blue precipitate. Induction of the *lacZ* gene with IPTG leads to the hydrolysis of X-Gal and to the development of blue colonies.

CERTIFICATE OF ANALYSIS

Purity of ≥99.0% confirmed by HPLC.

Quality authorized by:

 Jurgita Zilinskiene

SAFETY INFORMATION



Xn Harmful

Risk phrases

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

Safety phrases

S9 - Keep container in a well-ventilated place.

S36/37 - Wear suitable protective clothing and gloves.

S60 - This material and its container must be disposed of as hazardous waste.



Warning

Hazard statements:

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H332 - Harmful if inhaled.

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P322 Specific measures (see on this label).

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.thermoscientific.com/onebio for Material Safety Data Sheet of the product.

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