

**X-Gal (5-bromo-4-chloro-3-indolyl-beta-D-galactopyranoside)****Applications:**

- blue/white screening
- distinguish between positive and negative clones after transformation

**Description:**

X-Gal is a highly pure molecular biology grade chemical for colorimetric detection of b-galactosidase activity. It is used for "blue/white screening" of bacterial colonies to differ bacterial or phage clones after transformation. In combination with suitable bacterial cloning vectors, host strains, and IPTG, X-Gal provides an easy way to distinguish between positive and negative clones after transformation.

**Quality:**

Purity of >98% by HPLC. Tested in the blue/white colony screening experiment.

**Note:**

- Preparation of a 20 mg/ml stock solution in dimethylformamide or dimethylsulfoxide is recommended.
- Dimethylformamide dissolves some plastic materials. The direct addition of dimethylformamide containing solution to plastic Petri dishes should be avoided.

**Storage:**

at - 20°C in the dark; shipped at ambient temperature

**Ordering information:**

Cat.-no	Description	Amount
406-501	X-Gal	1 g
406-502	X-Gal	5 x 1g
406-503	X-Gal	10 x 1 g

**Related products:**