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Product Information

5-BROMO-6-CHLORO-3-INDOLYL- β -D-GLUCURONIDE (Magenta-GlcA) Cyclohexylammonium Salt

Product No. **B 4657**

Store below 0 °C

Product Description

Chromogenic substrate for β -glucuronidase. An alternative to 5-bromo-4-chloro-3-indolyl- β -D-glucuronide (X-GlcA) for detection of the β -glucuronidase gene. Magenta-GlcA produces a magenta color in GUS⁺ bacterial colonies.

Preparation Instructions

Prepare a stock solution of 1% (w/v) Magenta-GlcA in dimethylformamide (10 mg/ml), store at -20 °C and protect from light. Sterilization is not required.

Note: Magenta-GlcA should be added to media after it is cooled below 55 °C.

Product Profile

Suitable for *uidA* (equivalent to *GUS*) gene (β -glucuronidase) detection in *Escherichia coli*. *uidA*⁻ (ESC 212) and *uidA*⁺ (ESC 122) *Escherichia coli* cells were streaked on separate Luria plates containing 1% (w/v) peptone (Product No. P 7750), 0.5% (w/v) yeast extract (Product No. Y0375), 0.5% (w/v) NaCl (Product No. S 3014), 0.7% (w/v) agar (Product No. A 7002), and 0.33 mg/ml Magenta-GlcA. After 24-48 hours at 37 °C the *uidA*⁺ cells produced magenta colonies indicating the expression of the β -glucuronidase gene and the *uidA*⁻ cells produced white colonies indicating the absence of expression.