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Product Information

5-BROMO-4-CHLORO-3-INDOLYL- β -D-GLUCURONIDE (X-GlcA) Sodium Salt

Product No. **B 4782**

Store below 0 °C

Preparation Instructions

1% (w/v) X-GlcA, sodium salt in sterile N,N-dimethyl-formamide or deionized water (10 mg/ml).

Note: X-GlcA, sodium salt is unstable in water. Use immediately after dissolution. X-GlcA solution 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*.

The substrate is tested at 0.33 mg/ml of medium, but lower concentrations may be suitable in some applications.

Suitability for uidA (GUS) Detection in *Escherichia coli*
uidA⁻ and uidA⁺ *Escherichia coli* cells were streaked on separate Luria plates containing 1% (w/v) peptone (Product No. P 7750), 0.5% (w/v) yeast extract (Y 0375), 0.5% (w/v) NaCl (S 3014), 0.7% (w/v) agar (A 7002), and 0.33 mg/ml X-GlcA, sodium salt. The plates were incubated overnight at 37 °C. After 24-48 hours at 37 °C, the uidA⁺ cells produced blue colonies indicating the expression of the β -glucuronidase gene and the uidA⁻ cells produced white colonies indicating the absence of expression.

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