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Product Information

5-BROMO-4-CHLORO-3-INDOLYL β -D-GLUCURONIDE
(X-GlcA) Molecular Biology Reagent
Cyclohexylammonium Salt

Product Number **B 6650**
Storage Temperature 0 °C

Product Profile

Suitable for *uidA* gene (β -glucuronidase gene) detection in *Escherichia coli*.

Suitable as substrate for β -glucuronidase.

Suitability for *uidA* 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. Y 0375), 0.5% NaCl (Product No. S 3014), 0.7% agar (Product No. A 7002) and 0.37 mg/ml X-GlcA. After 24-48 hours 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.

Suitability as Substrate for β -Glucuronidase

A qualitative enzymatic assay was run in 0.1 M acetate buffer, pH 5.0 at 37 °C and 0.1 mg/ml X-GlcA with 6,000 units of β -glucuronidase (Product No. G 0876) in a 3 ml reaction mix. Suitability is determined by measuring the change in absorbance at 400 nm in one minute. A positive rate represents suitability.

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