

For Research Use Only. Not For Use In Diagnostic Procedures

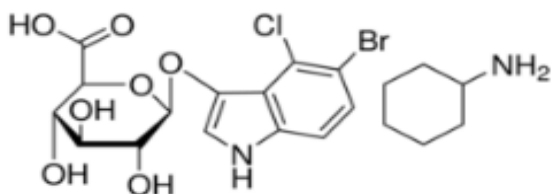
Version 2.0

X-Gluc

For selection of recombinant bacterial clones

Do not eat

Store at -20° C

**Catalogue Number.** MG8975 **Size :** 1g ☐ 5g ☐**Synonym :** 5-Bromo-4-chloro-3-indolyl β -D-glucuronide cyclohexylammonium salt, X-GlcA, X-glucuronide CHA salt**CAS :** 114162-64-0**MDL :** MFCD00058543**Purity $\geq$** 99.0%**Molecular Weight :** 521.79**Molecular Formula :** C₁₄H₁₃BrClNO₇·C₆H₁₃N

Structural Formula

Application

Chromogenic substrate for β -glucuronidase (GUS) gene detection. Suitable for use in selection of recombinant bacterial colonies with the lac⁺ phenotype.

Description

X-Gluc is a chromogenic substrate for β -galactosidase, used to determine the presence or absence of a cloned DNA insert in bacteria growing on agar plates. X-Gluc is designed to replace X-Gal in blue-white selection of recombinant bacterial colonies with the lac⁺ phenotype.

Solubility

DMF : soluble

Storage condition

-20° C

产品简介

X-Gluc 是 β -半乳糖苷酶的显色底物, 用于确定琼脂平板上生长的细菌中是否存在克隆的 DNA 插入片段。X-Gluc 设计用于具有 lac⁺ 表型的重组细菌菌落的蓝白色选择中替代 X-Gal。当 X-Gluc 被 β -半乳糖苷酶水解时, 所得产物将形成蓝色沉淀。在 X-Gluc 存在下生长的 Lac⁺ 菌落会变成深蓝色, 从而易于区分 lac⁺ 和 lac⁻ 菌落。

产品应用

适用于选择具有 lac⁺ 表型的重组细菌菌落。

X-Gluc 已用于根切片的组化染色, 用于光学显微镜观察。

β -葡萄糖醛酸酶 (GUS) 基因检测的显色底物。

产品链接

http://www.mesgenbio.com/Products/Biochemicals/Chromogenic_substrate/Detection_of_beta-glucuronidase/Detect_GUS_gene/2019/0529/798.html

Technical literature is available at: www.mesgenbio.com.

E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com

产品仅供科学研究 禁止用于临床诊断

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