

Native Bovine Galactosyltransferase

Cat. No. NATE-0274

Lot. No. (See product label)

Introduction

Description	Galactosyltransferase catalyzes the transfer of galactosyl molecules in the synthesis of oligosaccharides.
Applications	Galactosyltransferase is the catalytic component of the lactose synthetase system; it synthesizes lactose slowly in the absence of the regulatory protein α -lactalbumin. Galactosyltransferase will also transfer galactose from UDP-galactose to N-acetylglucosamine. This preparation is useful in the determination of α -lactalbumin, UDP-galactose, and N-acetylglucosamine.
Synonyms	EC 2.4.1.22; UDP- α -D-galactose-glucose galactosyltransferase; N-acetyllactosamine synthase; uridine diphosphogalactose-glucose galactosyltransferase; lactose synthetase; UDP-galactose:D-glucose 4- β -D-galactotransferase; UDP-galactose:D-glucose 4- β -D-galactosyltransferase; 9031-68-9

Product Information

Species	Bovine
Source	Bovine milk
Form	Lyophilized powder containing Tris, EDTA, and (NH ₄) ₂ SO ₄
EC Number	EC 2.4.1.22
CAS No.	9031-68-9
Contaminants	<10 % protein α -lactalbumin
Unit Definition	One unit will transfer 1.0 μ mole of galactose from UDP-galactose to D-glucose per min at pH 8.4 at 30°C in the presence of 0.2 mg α -lactalbumin per mL of reaction mixture. (without added α -lactalbumin the activity is zero)

Storage and Shipping Information

Storage	-20°C
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