

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 (NH₄)₂SO₄
- 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