

Native Galactose-adapted yeast Galactose-1-phosphate Uridyltransferase

Cat. No. NATE-0277

Lot. No. (See product label)

Introduction

Description Galactose-1-phosphate uridyltransferase (GALT) facilitates the simultaneous conversion of uridine diphosphoglucose (UDP-glucose) and galactose-1-phosphate (gal-1P) to uridine diphosphogalactose (UDP-galactose) and glucose-1-phosphate. Classic Galactosemia (CG) is an inherited metabolic condition caused by deficiency of GALT activity.

Synonyms EC 2.7.7.12; UDP-glucose-hexose-1-phosphate uridylyltransferase; uridyl transferase; hexose-1-phosphate uridylyltransferase; uridyltransferase; hexose 1-phosphate uridyltransferase; UDP-glucose:alpha-D-galactose-1-phosphate uridylyltransferase; 9016-11-9

Product Information

Source Galactose-adapted yeast

Form lyophilized powder; Contains buffer salts as Citrate and reduced glutathione

EC Number EC 2.7.7.12

CAS No. 9026-21-5

Activity 20-60 units/mg protein (modified Warburg-Christian)

Unit Definition One unit will form 1.0 μ mole of glucose 1-phosphate from UDP-glucose, galactose 1-phosphate and NADP⁺ per min at pH 8.7 at 25°C as detected by a coupled system using phosphoglucomutase.

Storage and Shipping Information

Storage -20°C