



Product Information

α -L-Iduronidase

Cat. No.: X23-06-YM121

Size: 0.1 mL; 0.25 mL; 0.5 mL; 1 mL; 2 mL

Enzyme Commission Number: 3.2.1.76

Synonym: L-Iduronidase; Alpha-L-iduronidase; Laronidase

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	α -L-Iduronidase is a glycoside hydrolase enzyme that plays a key role in cleaving the non-reducing, terminal α -L-iduronic acid residues from saccharides and oligosaccharides.
Unit Definition	One α -L-Iduronidase enzyme unit will produce one μ mol 4-methyl-umbelliferone per minute at 25°C in an assay mixture containing 0.1 mM 4-methylumbelliferyl alpha-lidopyranosiduronic acid in 25 mM 3-(<i>N</i> -morpholino)propane sulfonic acid buffer, pH 6.5 One Iduronate-2-sulfate sulfatase enzyme unit will produce one μ mol 4-methylumbelliferone per minute at 25°C in an assay mixture containing 0.1 mM 4-Methylumbelliferyl alpha-Lidopyranosiduronic acid 2-sulfate in 25 mM 3-(<i>N</i> -morpholino)propane sulfonic acid buffer, pH 6.5.
Form	Aqueous solution with glycerol
Applications	α -L-Iduronidase is useful for detecting and quantifying in an assay using a fluorogenic substrate 4MU-alpha-L-idopyranosiduronic acid.
Storage	Store at -20°C.