

## D-Galactose-dehydrogenase

Galactose-dehydrogenase (GalDH)

EC 1.1.1.48

Description:	recombinant enzyme which catalyses the reduction of NAD <sup>+</sup> to NADH and the oxidation of D-galactose to D-Galactono- $\delta$ -lactone
Reaction:	D-Galactose + NAD(P) <sup>+</sup> $\leftrightarrow$ D-Galactono- $\delta$ -lactone
Origin:	<i>Escherichia coli</i> , gene-modified
Application:	determination of galactose
Activity:	> 4 U / mg (Method: ASA Spezialenzyme GmbH)
Specific activity:	> 6 U / mg
Parameters of reaction:	<u>pH</u> 8 <u>temperature</u> 25°C 1 U will oxidize 1 micromole of D-Galactose per minute at pH 8,0 and 25°C in the presence of NAD <sup>+</sup>
Order-no.:	1390
Form of delivery:	lyophilized, white to yellowish powder
Storage:	stable at -20°C