innovation diagnostic chemicals
17B Fota Business Park, Carrigtwohill, Cork T45EY16

PRODUCT SPECIFICATIONS

Product :	**Hexokinase**
Origin :	**Microorganism**
Code :	**HK-800**
E.C. Number :	**2.7.1.1**
Nomenclature :	**ATP: D-Hexose 6-phosphotransferase**
Form :	**White freeze-dried powder**
Activity :	**≥ 150 u/mg**
Optimum temperature :	**50 °C**
Optimum pH :	**8.0 - 9.0**
Thermal stability :	**below 45 °C**
pH stability :	**pH 4.0 - 9.0**

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PRODUCT SPECIFICATIONS

Hexokinase (HK-800)

Contaminants :	**Phosphoglucose isomerase**	**≤ 1.0×10-1 %**
	6-Phosphogluconate dehydrogenase	**≤ 1.0×10-2 %**
	Glucose-6-phosphate dehydrogenase	**≤ 1.0×10-2 %**
	Myokinase	**≤ 1.0×10-2 %**
	Glutathione reductase	**≤ 5.0×10-1 %**
Unit definition :	**1 unit causes the production of 1 micromole of NADH/min at 30 °C and pH 8**	
Stability :	**12 months**	
Storage :	**-20 °C**	