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

PRODUCT SPECIFICATIONS

Product :	**Phosphoenolpyruvate Carboxylase**
Origin :	**Microorganism**
Code :	**PEC-110C**
E.C. Number :	**4.1.1.31**
Nomenclature :	**Orthophosphate: oxaloacetate carboxy-lyase (phosphorylating)**
Appearance :	**White amorphous powder**
Activity :	**≥ 5 u/mg**
Contaminants :	**Pyruvate kinase: ≤ $5x10^{-2}$ %**
Optimum temperature :	**60 °C**
Optimum pH :	**7.5 - 8.0**
Unit definition :	**1 unit causes the oxidation of 1 micromole of NADH/min at 30°C and pH 8.0**
Stability :	**12 months**
Storage :	**-20 °C**