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Product Datasheet

Phosphoenolpyruvate Carboxylase (PEPC) Activity Colorimetric Assay Kit BYT-ORB1173218

Article Name	Phosphoenolpyruvate Carboxylase (PEPC) Activity Colorimetric Assay Kit
Biozol Catalog Number	BYT-ORB1173218
Supplier Catalog Number	orb1173218
Alternative Catalog Number	BYT-ORB1173218-48, BYT-ORB1173218-96
Manufacturer	Biorbyt
Category	Kits/Assays
Product Description	The kit provides a method for detecting PEPC activity in biological samples such as tissues, cell cultures, serum, and plasma. PEPC catalyzes the production of oxaloacetate, which is then converted to malate by malate dehydrogenase with the oxidation...
Application Notes	Application Notes: The kit provides a simple method for detecting Phosphoenolpyruvate Carboxylase (PEPC) (EC 4.1.1.31) activity in a variety of biological samples such as animal tissues, plant tissues, cell culture: adherent or suspension cells, serum, plasma, bacterial. In the assay, Phosphoenolpyruvate carboxylase (PEPC) catalyzes phosphoenolpyruvate and CO ₂ to produce oxaloacetate and HPO ₄ ²⁻ , and malate dehydrogenase further catalyzes oxaloacetate and NADH to produce malate and NAD ⁺ . The rate of NADH decrease at 340 nm can reflect Phosphoenolpyruvate carboxylase (PEPC) activity