



Phosphoenolpyruvate Carboxylase Activity Assay kit

PEPC (EC 4.1.1.31) is widely present in animals, plants, microorganisms and cells. It is an enzyme that catalyzes the reaction of phosphoenolpyruvate with carbon dioxide to produce oxaloacetate, which is an irreversible reaction to the tricarboxylic acid cycle. Play an important regulatory role.

PEPC catalyzes phosphoenolpyruvate and CO₂ to produce oxaloacetate and HPO₄²⁻, and malate dehydrogenase further catalyzes oxaloacetate and NADH to produce malate and NAD⁺. The NADH reduction rate is measured at 340nm and the PEPC activity is calculated.

Catalog No.	250219
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV Spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs