



Pyruvate Carboxylase Activity Assay kit

Pyruvate carboxylase (PC, EC 6.4.1.1) is widely present in the mitochondria of animals, molds and yeasts, catalyzing pyruvate, ATP, CO₂ and water to produce oxaloacetate, ADP and Pi. The first rate-limiting enzyme in the gluconeogenesis process plays an important role in ensuring the dynamic balance of blood sugar.

PC catalyzes pyruvate, ATP, CO₂ and water to produce oxaloacetate, ADP and Pi, and malate dehydrogenase further catalyzes oxaloacetate and NADH to produce malate and NAD⁺. The NADH oxidation rate can be measured at 340nm. Reflects PC activity.

Catalog No.	250073
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV Spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs