



Carbonic Anhydrase Activity Assay kit

Carbonic anhydrase (CA, EC4.2.1.1) is a metalloenzyme with Zn^{2+} as the active center, which can efficiently catalyze the reversible hydration reaction of CO_2 : $CO_2 + H_2O \rightleftharpoons HCO_3^- + H^+$ at a rate of 10⁷ times higher than that under natural conditions, which is one of the fastest known enzymes. It is one of the fastest known enzymes. Carbonic anhydrase can catalyze the reaction of p-nitrophenyl acetate to form p-nitrophenol, and the rate of increase of absorbance value at 405 nm reflects the activity of carbonic anhydrase.

Catalog No.	250544
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs