



Angiotensin Converting Enzyme Inhibitor Activity Assay kit

Angiotensin Converting Enzyme (ACE, EC 3.4.15.1, also called ACE1) is a zinc-containing peptidyl dipeptide hydrolase with a calculated molecular mass of 120-150 kDa. ACE is widely detected in the endothelial cell of organ tissues including lung, brain, kidney. ACE catalyzes the formation of angiotensin I to angiotensin II, which could cause vasoconstriction, promote synthesis and release of adrenocortical hormone aldosterone. ACE inhibitors could reduce the production of angiotensin II and increase bradykinin activity, which is helpful for the treatment of hypertension, cardiac hypertrophy, heart failure and other diseases. ACE could catalyze FAPGG to form FAP and glycylglycine. ACE inhibitors could reduce the hydrolysis of FAPGG by inhibiting ACE activity. FAPGG has a characteristic absorption peak at 340 nm, and ACE inhibitor activity is calculated by measuring the rate of decrease in absorbance at 340 nm.

Catalog No.	250557
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/6 months
Shipping	Gel Packs