Creative Enzymes
Diagnostic Enzymes

Adenine Deaminase (EcAdeD)

Product Information

Cat#	DIA-592
Descriptions	Adenine deaminase derived from Escherichia coli specifically facilitates adenine deamination reaction to generate hypoxanthine. It participates in bacterial purine degradation metabolism, relieves intracellular metabolite toxicity and serves as ideal biocatalyst for purine compound preparation and microbial metabolic research.
Applications	Adenine deaminase (EcAdeD) is applied in purine metabolism related detection kit development and nucleoside assay reagent raw material preparation.
CAS No.	135-4-21
Enzyme Commission Number	EC 3.5.4.2
Enzyme Source	E.coli recombinant Ec Ade D from Escherichia coli.
Reaction	Adenine + H+ + H2O = Hypoxanthine + NH4+
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of adenine from hypoxanthine at 37°C.

Tel: 1-631-562-8517 1-516-512-3133
Email:info@creative-enzymes.com
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA