CREATIVE BIOMART®
Assay Kit

NADP Regenerating Kit

Product Information

Cat.No. Kit-2090

Product Overview

NADP Regenerating Kit is designed as a flexible prepackaged NADP regenerating system to accommodate various experimental designs. It provides two ready-to-use solutions to regenerate NADP with a concentration of ~1 mM. This kit can be used for all NADP-requiring systems (such as: 12-Ketochenodeoxycholic Acid synthesis, Ferredoxin Reductase System). 300-500 enzyme assays can be performed using this kit. The total number of assays that can be performed depends on one"s experimental design.

Size

1 kit

Description

NADP is the electron acceptor for biosynthetic reactions and dehydrogenation reactions. NADP is used for anabolic pathways, such as lipid synthesis, cholesterol synthesis and fatty acid chain elongation. It is also a necessary cofactor in many xenobiotic metabolism reactions. In chloroplasts, NADP is reduced to NADPH by ferredoxin-NADP reductase in the last step of the electron chain in photosynthesis reactions. Many oxidoreductases and all ligases use NADP/NADPH as coenzyme. NADP can also be used in the determination of amylase, creatine kinase, glucose-6-phosphate dehydrogenase, isocitrate dehydrogenase.

Storage

Keep in -20°C and protect from light

Kit Components

Component A: NADP Regenerating Buffer I: 10 mLComponent B: NADP Regenerating Buffer II: 10 mLComponent C: NADP Regenerating Enzyme Mix: 1 vialComponent D: NADPH: 2 vials

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA