

PRODUCT DATA SHEET

Ultra-Pure Grade ADP

Ultra-Pure Grade Adenosine 5'-Diphosphate

Description

An ultra-pure grade of ADP that is purified to remove traces of ATP contaminants equates to ADP that is greater than 99.9% pure. Commercially available ADP that is contaminated with trace amounts of ATP results in high backgrounds and reduces assay sensitivity.

Product Specifications

Purity: Greater than 99.9% pure as tested by P^{31} NMR.

Molecular Weight: 427.20

Molecular Formula: $C_{10}H_{15}N_5O_{10}P_2$

Component: Supplied in 60mM TRIS buffer solution at pH 7.0. ADP concentration varies from batch to batch. See vial/ CoA.

Application: This ADP is designed for use in bioluminescence applications where minimal background ATP contamination is required. ADP can be used as a substrate in enzymatic reactions to generate ATP. Subsequently ATP can be detected via the bioluminescence reaction of luciferase/luciferin.

Shipping: SHIPPED ON BLUE ICE

Long Term Storage: Store contents as labeled

Upon Arrival: $\leq -20^{\circ}C$

Catalog Number/Sizes

Catalog #	Size (mL)
ADP100-2	Volume varies with the ADP concentration (0.5 mL – 1 mL)
ADP100-3	Volume varies with the ADP concentration (2.5 mL -5 mL)

FOR RESEARCH USE ONLY.

Cell Technology Inc, 25242 Co Rd 95, Davis, CA 95616, USA

Phone (800) 824-8540 · www.celltechnology.com