

## 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 are 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 as a 10mM solution buffered in 60mM TRIS at pH 7.0.

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	1 mL
ADP100-3	5 mL

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#### For Research Use Only

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