

## Certificate of Analysis

**Product Name:** Malachite Green Phosphate Assay Kits

**Catalog No.:** Z5030012

**Shipping Condition:** Room Temperature

**Storage Condition:** 4°C.

**Shelf Life:** One year from the date of receipt under proper storage conditions

### Description

The Malachite Green Phosphate Assay Kit is based on quantification of the green complex formed between Malachite Green, molybdate and free orthophosphate. The rapid color formation from the reaction can be conveniently measured on a spectrophotometer (600 - 660 nm) or on a plate reader. The non-radioactive colorimetric assay kits have been optimized to offer superior sensitivity and prolonged shelf life. The assay is simple and fast, involving a single addition step for phosphate determination. Assays can be executed in tubes, cuvettes or multi-well plates. The assays can be conveniently performed in 96- and 384-well plates for high-throughput screening of enzyme inhibitors.

### *Data Analysis*

Plot pmoles phosphate versus OD<sub>650nm</sub> for the standard curve. Use non-linear regression analysis to determine amount of free phosphate in the test samples.

### Components

1. One Kit
2. User Manual
3. Certificate of Analysis
4. MSDS

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_

