

# DNMT Universal Chemiluminescent Assay Kit

## Product Information

### **Cat.No.**

Kit-1714

### **Size**

96 reactions

### **Description**

The DNMT Universal Assay Kit is designed to measure DNMT activity for screening and profiling applications. The key to the DNMT Universal Assay Kit is a highly specific antibody that recognizes 5-methylcytosine on the substrate. With this kit, only three simple steps on a microtiter plate are required for detection of DNMT activity. First, S-adenosylmethionine is incubated with a sample containing assay buffer and DNMT for two hours. Next, primary antibody is added. Finally, the plate is treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate to produce chemiluminescence that can be measured using a chemiluminescence reader.

### **Applications**

Useful for studying enzyme kinetics and HTS applications.

### **Storage**

12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

### **Kit Components**

DNMT1: 10 µg; -80°C DNMT3A/3L Complex: 10 µg; -80°C DNMT3B/3L Complex: 10 µg; -80°C 400 µM S-adenosylmethionine: 250 µl; -80°C Anti-5-methylcytosine antibody: 25 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x DNMT assay buffer 2: 5 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate (2 components): 6 ml each; +4°C 8-well strip plate precoated with DNMT substrate: 1; +4°C