

## SUV39H2 Chemiluminescent Assay Kit

### Product Information

---

**Cat.No.**

Kit-1871

---

**Size**

96 reactions

---

**Description**

The SUV39H2 Direct Activity Assay Kit is designed to measure SUV39H2 activity for profiling and screening applications, using purified SUV39H2. The SUV39H2 Direct Activity Assay Kit comes in a convenient format, with a 96-well plate precoated with histone H3 peptide substrate, the antibody against methylated lysine residue of Histone H3, the secondary HRP-labeled antibody, S-adenosylmethionine, methyltransferase assay buffer, and purified SUV39H2 enzyme for 100 enzyme reactions. The key to the SUV39H2 Activity Assay Kit is a highly specific antibody that recognizes methylated K9 residue of Histone H3. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, S-adenosylmethionine is incubated with a sample containing assay buffer and methyltransferase enzyme for one hour. Next, primary antibody is added. Finally, the plates are treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate is added to produce chemiluminescence that can then be measured using a chemiluminescence reader.

---

**Applications**

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery 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**

SUV39H2: 4 µg; -80°C 100 µM S-adenosylmethionine: 250 µl; -80°C Primary antibody 1: 100 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x HMT assay buffer 1: 3 ml; -20°C Blocking buffer: 50

## SUV39H2 Chemiluminescent Assay Kit

ml; +4°C HRP chemiluminescent substrate A (2 components): 6 ml each; +4°C 96-well plate  
precoated with histone substrate: 1 plate; +4°C

---