



## SUV39H1 Chemiluminescent Assay Kit

### Product Information

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**Cat.No.**

Kit-1870

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**Size**

96 reactions

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**Description**

The SUV39H1 Chemiluminescent Assay Kit is designed to measure SUV39H1 activity for screening and profiling applications. The key to the SUV39H1 Chemiluminescent Assay Kit is a highly specific antibody that recognizes methylated K9 residue of Histone H3. With this kit, only three simple steps 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 plate is treated with an HRP-labeled secondary antibodies followed by addition of the HRP substrate to produce chemiluminescence that can then be measured using a chemiluminescence reader.

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**Applications**

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

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**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.

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**Kit Components**

SUV39H1 human enzyme: 10 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 ml; +4°C HRP chemiluminescent substrate A (translucent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C 8-well strip plate module precoated with histone substrate: 1 plate (12 x 8-well strips); +4°C