GloSensor™ cAMP Assay

INSTRUCTIONS FOR USE OF PRODUCTS E1171, E1261, E1290, E1291 AND E2301.

Quick PROTOCOL

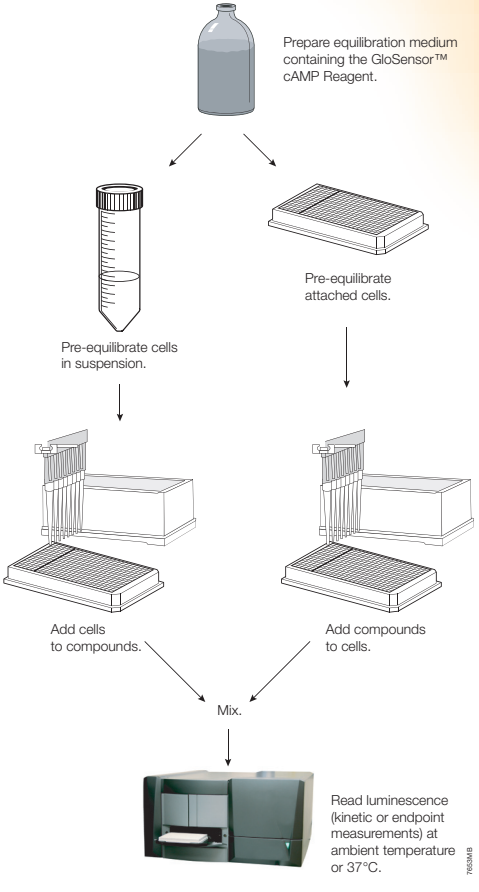
Live Cell Biosensor for GPCR Studies

The GloSensor™ cAMP Assay provides a simple and powerful new way to measure cAMP levels in cells. cAMP is a key second messenger involved in GPCR signaling, acting through G_s- and G_i-coupled proteins. The assay uses a genetically modified form of firefly luciferase containing a cAMP-binding protein moeity. Binding of cAMP causes a conformational change that leads to increased light output. The assay is well suited to HTS and uHTS platforms.

Simple, Scalable Protocol

The GloSensor™ cAMP Assay is a 'zero step', non-lytic, live-cell assay ideal for kinetic and modulation studies of signaling through cAMP. The simple protocol is easily scalable to your throughput needs.

1. **Pre-equilibrate** cells with GloSensor™ cAMP Reagent for ~2 hours.
2. **Treat** cells with specific agonists/antagonists or library compounds.
3. **Measure** luminescence after 15–30 minutes.



More Information

For the latest information on the GloSensor™ cAMP Assay and the GloSensor™ technology platform, including Frequently Asked Questions, noncommercial materials and more, visit: **www.promega.com/glosensor**

For complete protocol information, see the *GloSensor™ cAMP Assay Technical Manual* #TM076, available at: **www.promega.com/tbs**

ORDERING/TECHNICAL INFORMATION:

www.promega.com • Phone 608-274-4330 or 800-356-9526 • Fax 608-277-2601

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