

Rapid Screening of a Cell-based Assay for GLP-1 Receptor Using a Natural Product Library

Primary Function of Application Note	Educate customers on the ability to automate and detect the signal from a cell-based HTRF assay.
BioTek Products cited	Precision™, MultiFlo™, Synergy™ NEO
Application	High throughput cell-based GPCR assays and screening
Detection Method	HTRF
Keywords	Receptor ligand binding, GPCR, HTRF, automation, high throughput screening, HTS, liquid handling, Synergy NEO
Typical User/Market	Pharmaceutical/biotech market
Key Benefit to Reader	The dual detection capability of the NEO is highlighted for fast, dependable data generation

Application Highlights:

1. The Tag-lite Glucagon GLP-1 Receptor Ligand Binding Assay provides an easy-to-use, cell-based format for detecting ligands of the GLP-1 receptor.
2. The Synergy NEO HTS Multi-Mode Microplate Reader allows for simultaneous detection of the dual-emission signal from the assay in kinetic or endpoint formats.
3. Automation of the assay procedure creates a simple process for assay optimization, primary, and secondary screening.
4. The Natural Product Library can be efficiently screened in an automated high throughput manner.

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