PDE Activity Colorimetric Assay Kit

Cat. No. Kit-0668 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDE Activity Assay Kit (Colorimetric) combines a special dual enzyme system with Green Assay Reagent for phosphate detection to create a unique, non-radioactive, colorimetric assay to detect phosphodiesterase (PDE) activity. This HTS-friendly, mix and read system may be used to screen inhibitors and modulators of cyclic nucleotide phosphodiesterase activity. 96-well microplate format permits rapid assays of large numbers of samples. The basis for the assay is the cleavage of cAMP or cGMP by a cyclic nucleotide phosphodiesterase. The kit includes a Type I PDE as positive control and a non-specific PDE inhibitor, 2-isobutyl-1-methylzanthine (IBMX) as test control for inhibitor screening.
Size	1 x 96 tests
Applications	Functional Studies more details
Kit Components	Components: 1 x 96 tests; 3,5-cAMP Substrate: 1 x 2ml; 3,5-cGMP Substrate: 1 x 2ml; 5 amp standard: 1 x 1ml; 5-GMP Standard: 1 x 1ml; 5-Nucleotidase (from Crotalus atrox venom): 1 x 1ml; 96-well Clear Microplate (1/2 Volume): 1 unit; Desalting Column: 1 unit; Desalting Resin: 1 x 1g; Green Assay Reagent: 1 x 20ml; PDE Assay Buffer: 1 x 40ml; PDE Enzyme (from bovine brain): 5 vials; PDE Inhibitor: 1 x 200µ
Detection method	Colorimetric
Compatible Sample Types	Tissue, Inhibitor compounds

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