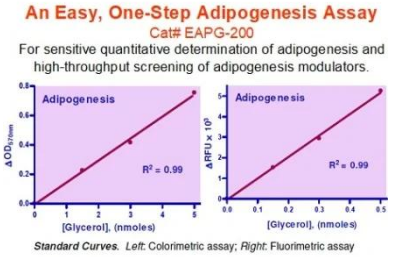
CD Adipogenesis Assay Kit

Catalog Number: AKBA116

Size: 200 tests

Price: Online Inquiry



Standard Curves. Left: Colorimetric assay; *Right:* Fluorimetric assay

Product Information

Product Name	CD Adipogenesis Assay Kit
Applications	For sensitive quantitative determination of adipogenesis and high-throughput screening of adipogenesis modulators.
Features	Sensitive and accurate. Use as little as 40 µL samples. Linear detection range in 96-well plate: 0.16 to 5 nmoles for colorimetric assays and 0.075 to 0.5 nmoles for fluorimetric assays. Fast and convenient. The addition of a single working reagent and 30-min incubation procedure combines sample extraction, hydrolysis and color reaction. The whole procedure is performed at room temperature with NO incubator or heating needed. Robust and amenable to HTS. Homogeneous “mix-incubate-measure” type assay. No wash and reagent transfer steps are involved. Can be readily automated on HTS liquid handling systems for processing thousands of samples per day.
Detection Method	OD570nm or FL530/585nm
Sample Type	biological samples (cells, tissues, etc)
Species	All
Assay Time	30min
Limit of Detection	0.16 nmoles (colorimetric assay); 0.075 nmoles (fluorimetric assay)
Expiration Date	6 months
Description	Adipogenesis is a tightly regulated cellular differentiation process, in which mesenchymal stem cells commit to preadipocytes and preadipocytes differentiate into adipocytes. Adipocytes, processing the largest energy reserve as triglycerol in the body of animals, play a key role in energy homeostasis. An increasingly sedentary lifestyle coupled with an energy-rich diet has contributed to a high frequency of obesity and other health problems, such as type 2 diabetes. Simple, direct and automation-ready procedures for measuring adipogenesis find wide applications in research and drug discovery. BioAssay Systems’ EAPG-200 Assay Kit determines adipogenesis, in which triglycerides are extracted, hydrolyzed to glycerol and measured using a Dye Reagent. The color intensity at 570nm or fluorescence intensity at FL530/585nm is directly proportional to glycerol concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt

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