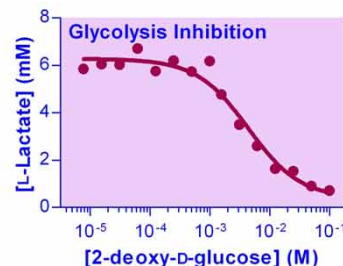


CD Glycolysis Assay Kit

Catalog Number: AKBA132

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD Glycolysis Assay Kit
Applications	For quantitative determination of L-Lactate and screening for glycolysis modulators.
Features	Fast and sensitive. Use of 5 µL sample. Linear detection range up to 10 mM L-lactate in 96-well plate assay. Convenient. The procedure involves adding a single working reagent, and reading the absorbance after 30 minutes. Room temperature assay. No 37°C heater is needed. High-throughput. "Add-mix-read" type assay. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.
Detection Method	OD565nm
Sample Type	Compounds that affect glycolysis activity
Species	All
Assay Time	30 min
Expiration Date	6 months
Description	GLYCOLYSIS is one of the major metabolic pathways cells undergo to produce energy and results in the production of pyruvate. One of the eventual fates of pyruvate from this process is lactate dehydrogenase converting it to L-lactate via lactic acid fermentation allowing L-lactate to serve as an indicator of glycolysis. CD Glycolysis assay kit is based on measuring the production of L-Lactate from glycolysis in cells. L-Lactate that is secreted into the cell media is quantified using a coupled reaction involving the lactate dehydrogenase catalyzed oxidation of L-lactate that generates pyruvate and NADH which reduces a formazan dye. The intensity of the reduced dye, measured at 565 nm, is directly proportional to the L-lactate concentration in the sample, which in turn is directly proportional to the glycolytic rate of the cell
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt