abcam

Product datasheet

Free Glycerol Assay Kit ab65337

29 References 5 图像

概述

产品名称	Free Glycerol Assay试剂盒
检测方法	Colorimetric/Fluorometric
样品类型	Cell culture supernatant, Serum, Plasma, Other biological fluids, Tissue Extracts
检测类型	Quantitative
灵敏度	> 1 µM
范围	1 µM - 10000 µM
检测时间	0h 40m
产品概述	Glycerol Assay Kit (ab65337) provides a sensitive, easy assay to measure free glycerol concentration. In the glycerol assay protocol, glycerol is enzymatically oxidized to generate a product which reacts with the probe to generate color (λ= 570 nm) and fluorescence (Ex/Em = 535/587 nm). This glycerol assay kit can detect 50 pmol-10 nmol (or ~1-10000 µM range) of glycerol. Glycerol assay protocol summary: - add samples and standards to wells - add reaction mix and incubate for 30 min - analyze with a microplate reader
说明	This product is manufactured by BioVision, an Abcam company and was previously called K630 Free Glycerol Colorimetric/Fluorometric Assay Kit. K630-100 is the same size as the 100 test size of ab65337.
平台	Microplate reader

性能

存放说明	Store at -20°C. Please refer to protocols.

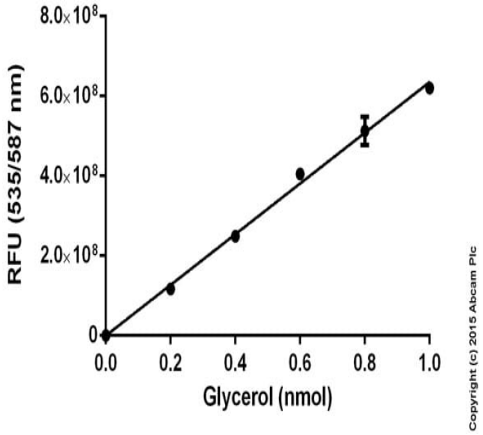
组件	100 tests
Assay Buffer V	1 x 25ml

组件	100 tests
Enzyme Mix VI	1 vial
Glycerol Standard	1 x 200µl
OxiRed Probe	1 x 200µl

相关性

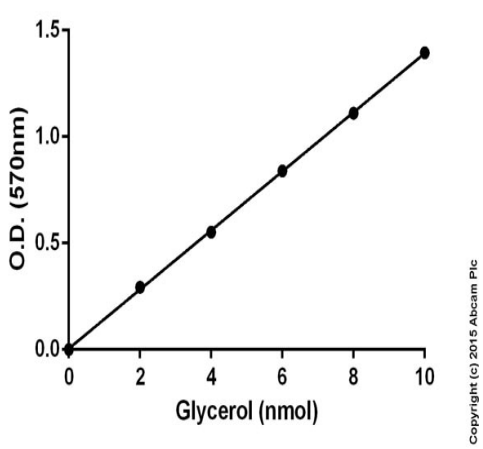
Glycerol is widely used in foods, beverages, solvents, pharmaceutical and cosmetic products, etc. There is broad interest in quantification of glycerol for research and development.

图片



Functional Studies - Free Glycerol Assay Kit (ab65337)

Standard curve: mean of duplicates (+/- SD) with background reads subtracted



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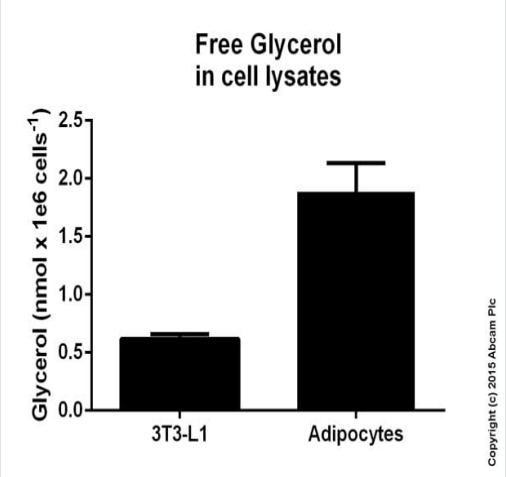
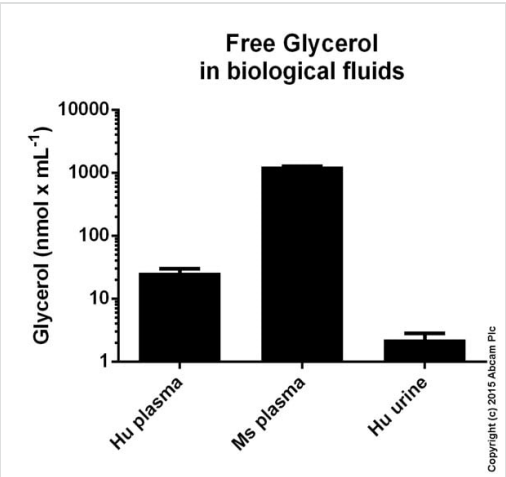


Functional Studies - Free Glycerol Assay Kit (ab65337)

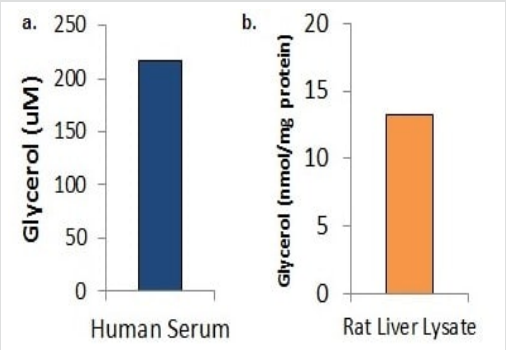
Free Glycerol measured in cell culture lysates showing quantity (nmol) per 1 mln cells.

Samples with the concentration of 1e7 cells/mL were used. Samples were diluted 2-8 fold and measured fluorometrically.



Functional Studies - Free Glycerol Assay Kit (ab65337)

Free Glycerol measured in biological fluids showing quantity (nmol) per mL of tested sample. Samples were diluted 2-8 fold and measured colorimetrically.



Free Glycerol Assay Kit - Functional Studies

a. Measurement of free glycerol in pooled human serum (10 µL). b. Measurement of free glycerol in rat liver lysate (500 µg).

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