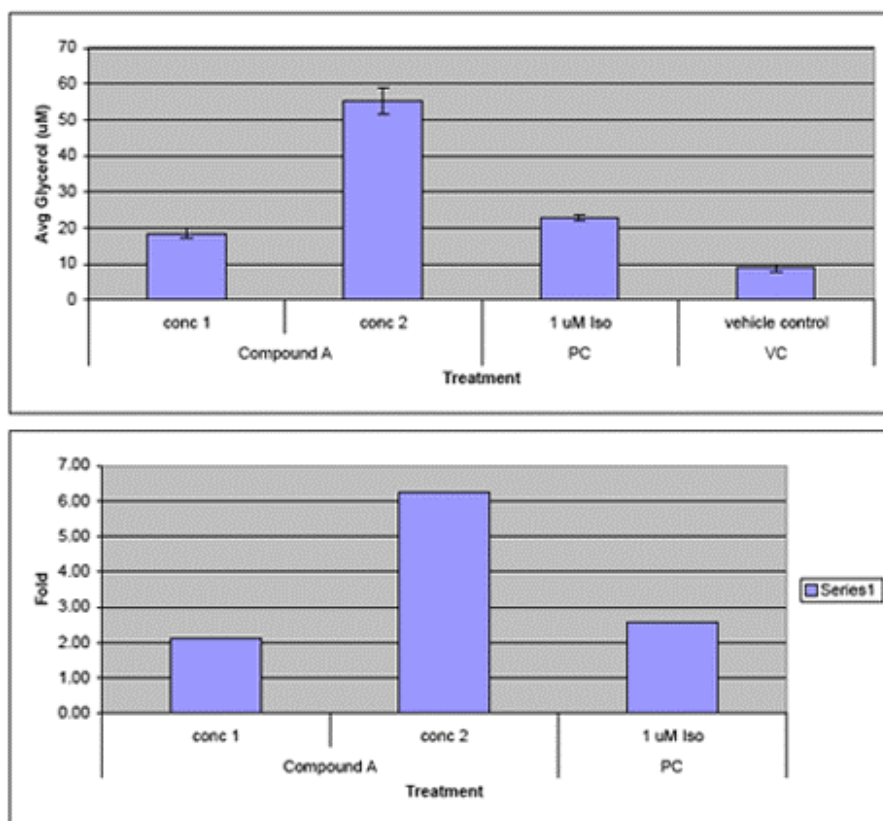


Cellulite Treatment Screening Lipolysis Kit

Cellulite is a term applied to a skin condition associated with localized fat deposits that present as lumps and dimples. Fibrous strands called connective tissue, which separates the skin from the underlying fatty tissue form separate compartments under the skin that contain fat cells. Although the etiology of cellulite is poorly understood, the main factor contributing to cellulite appears to be local accumulation of fat in a regional compartment. Adipocytes (fat cells) are the principle cells implicated in fat storage by adipose tissue. It has been proposed that the anatomical structure of subcutaneous adipose tissue is a major contributor to the appearance of cellulite. When these fat cells increase in size the skin compartment bulges which forms cellulite. These fat cells contain triglycerides; which must be broken down before fat cells can be reduced in size. The more triglyceride that is broken down, the smaller the fat cells under the skin become leaving the skin appearing smoother (less cellulite). Increased lipolysis or fat reduction of the subcutaneous adipose (fat under the skin) means more triglyceride is broken down which leads to smaller fat cells and a reduction of the cellulite appearance.

This kit provides a tool to study chemical compounds that may influence lipolysis in cultured human adipocytes. This kit specifically measures both the non-esterified fatty acids (free fatty acids) and the glycerol released by the breakdown of triglyceride.



Representative data set obtained for two concentrations of customer extract using anti-cellulite compound screening service; PC= positive control (1uM Isoproterenol), VC= (vehicle control)

Ordering Information

Item	Unit	Catalog #
Lipolysis Treatment Screening Kit (glycerol detection)	Kit	LIP-10
Lipolysis Treatment Screening Kit (free fatty acids)	Kit	LIP-11
Lipolysis Treatment Screening Kit (glycerol and free fatty acids)	Kit	LIP-12

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