

IN VITRO

EPIDERM™ SKIN IRRITATION TEST (OECD TG 439)

APPLICATIONS

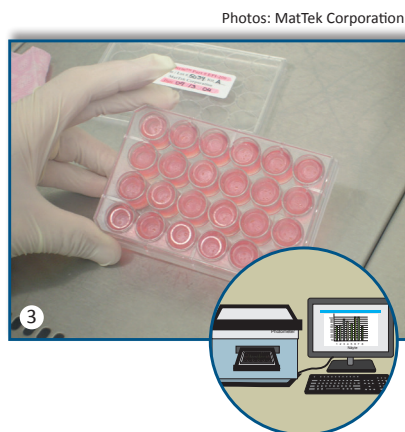
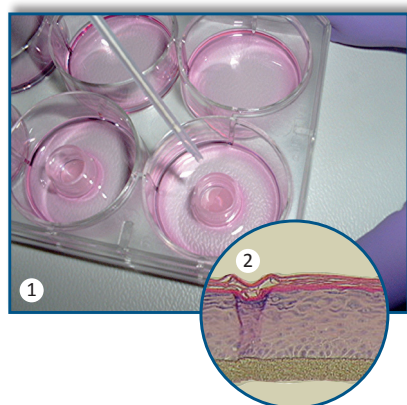
- Evaluation of skin irritation potential of chemicals (drugs, cosmetics, industrial chemicals, biocides) and mixtures of chemicals

WE PROVIDE

- Skin irritation testing in compliance with OECD TG 439 using EpiDerm™ tissue by MatTek Corporation
- MatTek Corporation approved testing
- GLP and non-GLP testing service

FEATURES

- Skin irritation means production of reversible damage (local inflammatory reaction) to the skin following the application of a test chemical for 60 minutes. (1 & 2)
- EpiDerm™ skin irritation test is performed using human cell based three-dimensional highly differentiated keratinocyte cultures (EpiDerm™ by MatTek Corporation) in compliance with OECD TG 439.
- The potential of chemical to induce skin irritation is an important consideration in establishing procedures for the safe handling, packing and transport of chemicals.
- This skin irritation test is a stand-alone in vitro alternative to animal skin irritation testing.
- After a 2-day post exposure incubation, tissue viability is determined by the MTT Assay (3).



FICAM is a GLP-certified research and testing laboratory, and the centre of expertise for alternative methods to animal experimentation in Finland. FICAM has a long experience in the use and development of human cell and tissue based test models and methods.

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