



# Vitro Toxicology

[In Vitro Toxicology](#) Testing for understanding the effects of toxic chemical substances on cultured cells or micro-tissues and identifying adverse outcome pathways and for more information on Vitro toxicity testing please visit the website today!!!

# **In vitro Toxicology**

**Standard in vitro toxicity testing utilizes a single organ cell model to identify mechanisms of toxicity and screen a large number of compounds for efficacy or toxicity relative to reference compounds.**

## **Skin Toxicity Testing**

**Over the past 15 years approaches to dermal toxicity screening have significantly evolved. Human skin cell and tissue models have improved, we now have more sensitive markers of toxicity and a new in vitro assays for assessing adverse effects.**



## **Lung Toxicity Testing**

**Pharmaceutical, tobacco, nutraceutical, cosmetic, and agrochemical companies often need to identify hazards associated with the inhalation of products. Many chemical agents gain entry to the body via inhalation and therefore assessment of normal lung function is essential for understanding chemical safety.**



## **Liver Toxicity Testing**

**Companies with new pharmaceutical, nutraceutical, cosmetic, or agrochemical compounds seeking to identify and understand potential adverse effects from chemical exposure must understand liver toxicity as a first step.**



# Intestinal Toxicity

Pharmaceutical, nutraceutical, food additive, and chemical companies need to know how their compounds affect intestinal cell health. Chemicals entering the intestinal tract can affect the intestinal epithelium.



# Kidney Toxicity Testing

Pharmaceutical, chemical, and cosmetic companies are responsible for knowing that their products are safe for human use and in the event of misuse that any adverse systemic effects are known.

