



REACH ANNEXES AMENDED

**registrants are
requested to use
Alternatives**

VitroScreen expertise on GLP compliant *in vitro* testing strategies

REACH requirements for skin corrosion/irritation, serious eye damage/eye irritation, acute dermal toxicity and skin sensitisation **are changing**, making **non-animal testing the default requirement**.

ECHA, while updating its guidance on information requirements and its advice on the use of OECD test guidelines, **reminds registrants of their obligations to consider and, whenever possible, use alternative methods** in the following contexts:

- **chemical substances**, including starting material, reagents and isolated intermediates
- **active substances** for biocides and pesticides
- **cosmetic ingredients**
- **mixtures**

Endpoint	Guidelines	Testing strategy
Skin corrosion	OECD TG 431 EpiSkin	Stand alone test to discriminate corrosive and non-corrosive substances and mixtures.
Skin irritation	OECD TG 439 RHE models	Necessary to perform OECD TG 431 in case tissue viability results to be $\leq 50\%$.
Eye irritation/ serious eye damage	OECD TG 491 STE	Stand alone test to discriminate Cat. I from non classified. Initial test in a top-down approach or as follow up of OECD TG 492. Suitable for testing chemicals that are dissolved or uniformly suspended for at least 5 minutes in physiological saline, 5% DMSO in saline, or mineral oil.
	OECD TG 492 EpiOcular™ EIT and SkineEthic™ HCE EIT	To discriminate classified (Cat. 1 and Cat. 2) from non classified chemicals. Initial test in a bottom-up approach. Applicable to solids, liquids, semisolid and waxes (both substances and mixtures).
Skin sensitization	OECD TG 442C DPRA	<i>In chemico</i> acellular test method. Neither stand alone nor applicable to lipophilic and unknown substances and mixtures.
	OECD TG 442D KeratinoSens™	To be used as part of an integrated testing strategy. Applicable to test chemicals which are soluble and stable either in water or DMSO and with a cLogP < 5.
	OECD TG 442E h-CLAT	To be used as part of an integrated testing strategy. Applicable to all chemicals soluble or forming a stable dispersion in saline or medium or DMSO.
	EpiCS® based on IL-18 release	Applicable to liquids, viscous, solid and lipophilic test substances. The method can be adapted to screen finished products.