

OECD case study title (submitter)	Purpose	Data inputs	Reference	Quantitative evaluation?
An AOP-based "2 out of 3" Integrated Testing Strategy Approach to Skin Hazard Identification (BASF)	Hazard ID	DPRA, h-CLAT, KeratinoSens TM , U-SENS TM	Urbisch et al. (2015)	Yes
Sequential Testing Strategy (STS) for Hazard Identification of Skin Sensitisers (RIVM)	Hazard ID	DPRA, h-CLAT, KeratinoSens TM , HaCaT gene signature, MultiCASE, CAESAR, DEREK, OECD QSAR toolbox	van der Veen et al. (2014)	No
A non-testing pipeline approach for skin sensitisation (DuPont/G. Patlewicz)	Hazard ID	Existing data, protein binding profile, physicochemical properties, TIMES-SS, expert judgment	Patlewicz et al. (2014)	No
Stacking Meta-model for Skin Sensitisation Hazard Identification (L'Oréal)	Hazard ID	DPRA, KeratinoSens TM , U-SENS TM , TIMES-SS, ToxTree, volatility, pH	Del Bufalo et al. (2018)	No
Integrated decision strategy for skin sensitisation hazard (ICCVAM)	Hazard ID	DPRA, h-CLAT, KeratinoSens TM , OECD QSAR Toolbox, physicochemical properties	Strickland et al. (2016)	Yes
Consensus of Classification Trees for Skin Sensitisation Hazard Prediction (EC-JRC)	Hazard ID	TIMES-SS, DRAGON descriptors	Asturiol et al. (2016)	No
Sensitizer Potency Prediction Based on Key Event 1 + 2: Combination of Kinetic Peptide Reactivity Data and KeratinoSens [®] Data (Givaudan)	Potency (continuous)	Cor1C420 (kinetic peptide reactivity), KeratinoSens TM , TIMES-SS	Natsch et al. (2015)	No
The Artificial Neural Network Model for Predicting LLNA EC3 (Shiseido)	Potency class/EC3	DPRA, h-CLAT, ARE (or KeratinoSens TM)	Hirota et al. (2015)	Yes
Bayesian Network DIP (BN-ITS-3) for Hazard and Potency Identification of Skin Sensitizers (P&G)	Potency class	DPRA, h-CLAT, KeratinoSens TM , TIMES-SS, bioavailability (solubility at pH 7, log <i>D</i> at pH 7, plasma protein binding, fraction ionized)	Jaworska et al. (2015)	Yes
Sequential Testing Strategy (STS) for Sensitising Potency Classification Based on <i>In Chemico</i> and <i>In Vitro</i> Data (Kao)	Potency class	DPRA, h-CLAT	Takenouchi et al. (2015)	Yes
ITS for Sensitising Potency Classification Based on <i>In Silico</i> , <i>In Chemico</i> , and <i>In Vitro</i> Data (Kao)	Potency class	DPRA, h-CLAT, DEREK	Takenouchi et al. (2015)	Yes
Data Interpretation Procedure for Skin Allergy Risk Assessment (SARA) (Unilever)	Sensitization probability	Bioavailability, skin protein kinetics, ordinary differential equation model	MacKay et al. (2013)	No