Table 3. Skin sensitization potential predictivity of individual test methods and the mechanistic domains compared to both human and LLNA reference data, incl.

Test method	Sample size	Human				LLNA			
		Specificity	Sensitivity	Accuracy	Balanced accuracy	Specificity	Sensitivity	Accuracy	Balanced accuracy
LLNA	128	50.0%	85.2%	74.2%	67.6%	–	–	–	–
DPRA	124*	74.4%	72.9%	73.4%	73.6%	67.7%	66.7%	66.9%	67.2%
KeratinoSens™	128	77.5%	75.0%	75.8%	76.3%	66.7%	67.4%	67.2%	67.0%
h-CLAT	127°	52.5%	89.7%	78.0%	71.1%	51.5%	86.2%	77.2%	68.9%
U-SENS™	105#	44.7%	95.5%	77.1%	70.1%	48.0%	90.0%	80.0%	69.0%
SENS-IS	126"	47.5%	93.0%	78.6%	70.3%	50.0%	90.4%	80.2%	70.2%
Mechanistic reaction domain	122**	75.0%	86.6%	82.8%	80.8%	77.4%	81.3%	80.3%	79.4%

The predictivity of the LLNA compared to human data.

*Two substances possibly co-eluted with cysteine, one substance commercially not available and one substance not testable.

°One substance commercially not available.

#Two substances commercially not available and 21 substances excluded due to noncompliance with the protocol during testing.

"Two substances commercially not available.

**Excluding six natural extracts.