

**Table 4.** Defined approach (DA) performance in predicting LLNA hazard (sensitizer/non-sensitizer).

## Predicting LLNA Hazard

Defined Approach:	BASF 2/3 (DKH)	Kao STS	Kao ITS	ICCVAM SVM (LLNA)	Shiseido ANN (D_hC)	Shiseido ANN (D_hC_KS)	P&G BN ITS-3
<i>N</i>	127	126	120	120	126	126	119
Accuracy (%)*	70.1	77.8	79.2	88.3	76.2	81.0	83.2
Sensitivity (%)	72.3	92.6	85.6	93.3	90.4	97.9	83.2
Specificity (%)	63.6	34.4	60.0	73.3	34.4	31.3	83.3
BA (%)	68.0	63.5	72.8	83.3	62.4	64.6	83.3

\*Performance is shown against the maximum subset (*N*) out of 128 substances with all necessary DA features.

LLNA: local lymph node assay; BA: balanced accuracy; STS: sequential testing strategy; ITS: integrated testing strategy; SVM: support vector machine; ANN: artificial neural network; BN: Bayesian network; DKH and D\_hC\_KS: DPRA/h-CLAT/KeratinoSens<sup>TM</sup>; D\_hC: DPRA/h-CLAT.