

Table. Evaluation of the dog detection performance as number of indications with decreasing amounts of scent molecules over time

Dog ID	Sample	(n/trial)	Time after exposure of pads									Indications on stimuli			Specificity‡ (Correct of Σ)	
			1 h	6 h	12 h	24 h	36 h	48 h	60 h	72 h	84 h	n	%	Mean /dog (%)	%	Mean /dog (%)
			<hr/>													
A	Methylbutenol	(CP†=16)	16	16	16	15	14	16	16	16	16	141	97.9			
		(CN=48)	32	38	25	29	25	42	27	26	32	276	63.9		98.6	
		<i>FP*</i>				<i>2</i>	<i>4</i>					<i>6</i>	<i>1.4</i>			
	<i>cis</i> -Verbenol	(CP=16)	16	16	16	16	15	16	16	16	16	143	99.3			
		(CN=48)	28	20	24	26	33	28	33	33	32	257	59.5		99.5	
		<i>FP</i>				<i>1</i>	<i>1</i>					<i>2</i>	<i>0.5</i>			
Ipsdienol	(CP=16)	16	16	16	16	16	16	16	16	16	144	100.0				
	(CN=48)	29	24	23	31	29	23	39	33	33	264	61.1		100.0		
Verbenone	(CP=16)	16	16	16	16	16	16	16	16	16	144	100.0	99.3			
	(CN=48)	29	32	22	34	27	30	33	28	29	264	61.1	61.4	100.0	99.5	
B	Methylbutenol	(CP=16)	16	16	16	15	15	16	14	15	16	139	96.5			
		(CN=48)	23	15	24	24	26	22	27	25	25	211	48.8		98.8	
		<i>FN*</i>				<i>1</i>	<i>1</i>		<i>2</i>	<i>1</i>		<i>5</i>	<i>3.5</i>			
	<i>cis</i> -Verbenol	(CP=16)	16	16	16	15	16	15	16	16	16	142	98.6			
		(CN=48)	22	30	16	24	24	25	22	19	18	200	46.3		99.5	
		<i>FN</i>				<i>1</i>	<i>1</i>		<i>1</i>			<i>2</i>	<i>1.4</i>			
	Ipsdienol	(CP=16)	16	16	16	16	16	16	16	16	16	144	100.0			
		(CN=48)	24	25	21	25	25	18	25	28	24	215	49.8		100.0	
	Verbenone	(CP=16)	16	16	16	16	16	16	16	16	16	144	100.0	98.8		
		(CN=48)	23	23	20	21	26	27	24	22	24	210	48.6	48.4	100.0	99.6
	<hr/>															
	Σ of both dogs:															
Correct positive (of grand total 1,152)																99.0
Correct negative (of grand total 3,456)																54.9
																99.6

†) CP = correct positive; CN = correct negative; FP = false positive; FN: false negative, all in absolute numbers of those stimuli actively investigated

‡) Correct positives of all stimuli presented, actively investigated or not.

*) The low numbers of false positive (FP) or false negative (FN) are italicised for clarity