

## POSITIVE-READ THC ASSAY

<b>Analyte</b>	THC
<b>Key Characteristics</b>	Positive-read, small-molecule assay
<b>Assay Format</b>	Single strip lateral flow device
<b>Result Formats Available</b>	Qualitative or Semi-Qual (visual), Quantitative or Semi-Qual (reader)
<b>Sample</b>	Saliva
<b>Buffer Required</b>	Yes
<b>Conjugate Material</b>	Gold nanoparticles
<b>Result Time</b>	2 minutes to 15 minutes
<b>Intended Usage</b>	Point of care drug testing
<b>Interfering Substances</b>	None known
<b>Test Concentrations</b>	0 ng/ml 0.8 ng/ml 8.0 ng/ml 80 ng/ml 800 ng/ml
<b>Lowest Limit of Detection</b>	8.0 ng/ml
<b>Assay Curve</b>	 <p>The graph, titled 'THC Assay Curve', plots Optical Density on the y-axis (0 to 1000) against THC Concentration (ng/ml) on the x-axis (0 to 800). Two data series are shown: 'In Saliva' (blue line) and 'In Running Buffer' (red line). Both series show a low, relatively flat response at concentrations up to 8.0 ng/ml. Above 8.0 ng/ml, the 'In Running Buffer' response increases more sharply than the 'In Saliva' response, reaching an optical density of approximately 950 at 800 ng/ml, while the 'In Saliva' response reaches approximately 650 at the same concentration.</p>
<b>Test Environment</b>	Laboratory
<b>Regulatory Approvals</b>	None
<b>Developer</b>	RAPiVD Ltd
<b>Accreditations</b>	ISO 13485:2016
<b>Enquiries</b>	info@rapivd.com
<b>Product Code</b>	ASY017THC

- A sensitive, positive-read, small-molecule assay to detect THC, with no hook-effect.
- Lab-tested, documented and ready for transfer to production.
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