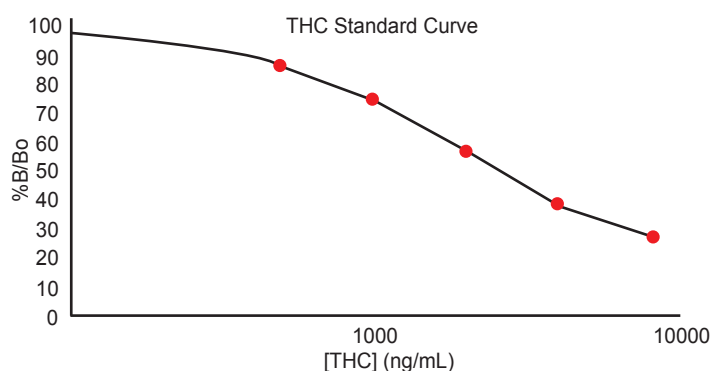


# D9-tetrahydrocannabinol Quantitative ELISA

The D9-tetrahydrocannabinol Quantitative ELISA is a competitive assay designed to detect D9-tetrahydrocannabinol (D9-THC) in cannabis and hemp products in a [high-throughput](#) format. The D9-THC ELISA is capable of measuring broad THC levels in a variety of products that include flowers, concentrates, and edibles. The D9-THC ELISA may be useful to the cannabis value chain from growers to manufacturers of edibles who need a [rapid, cost-effective](#) screening method for measuring total THC. It can also be used to exclude the presence of THC in hemp and hemp products below the mandated level of <0.3% THC.

## Product Highlights

- Assay range: 500 - 8000 ng/mL
- Limit of quantification: 500 ng/mL
- Low cross-reactivity to other cannabinoids
- Cost-effective and user-friendly tests
- Rapid assay time of 25 minutes
- Break-away wells permit low volume testing
- One year shelf life at refrigerated temperature 2 - 8 ° C
- Easy to follow instructions
- Color-coded reagents in convenient easy to use vials



## Performance

The D9-THC ELISA performance was validated through measurement of samples (flowers, concentrates, and edibles) purchased from local dispensaries and compared to the %THC value on the label. Testing showed excellent recoveries at 85-113%. Additionally, performance was assessed by measuring [third-party proficiency testing samples](#) presented in pure solvent or hemp oil. Measured values were within the acceptable range.

Analyte	% Cross-reactivity
D9-Tetrahydrocannabinol	100
D8-Tetrahydrocannabinol	107
Cannabinol	45
Tetrahydrocannabivarin	15
Cannabidiolic acid	<1.0
Tetrahydrocannabinolic acid A	<0.6
Cannabidiol	<0.3
Cannabidivarin	<0.3
Cannabigerol	<0.3
Cannabigerolic acid	<0.3
Cannabichromene	<0.3

Proficiency Testing Sample	THC Measured (µg/mL)	Assigned Value (µg/mL)	Acceptable Range (µg/mL)
THC in solvent	390	415	291 - 540
THC in hemp oil	699	874	612 - 1140

Catalog No.

Description

Quantity

19D9THC01-96

D9-tetrahydrocannabinol ELISA Kit - Quantitative

96 wells



Find support documents, instructional videos, and more at [www.hygiena.com](http://www.hygiena.com)