

ARK™ Tramadol Assay

FOR THE QUALITATIVE AND/OR SEMIQUANTITATIVE MEASUREMENT OF TRAMADOL

METHOD: HOMOGENEOUS ENZYME IMMUNOASSAY

Tramadol measurements are used as an aid in monitoring for signs of misuse, abuse, and diversion.

The ARK™ Tramadol assay provides a simple and rapid analytical screening procedure for detecting tramadol.

It is intended for the qualitative and/or semiquantitative determination of tramadol in human urine at a cutoff concentration of 100 ng/mL.

Features:

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| <ul style="list-style-type: none"> • Sensitive and specific for the detection of tramadol • High cross-reactivity with O-desmethyltramadol and N-desmethyltramadol (main metabolites) | <ul style="list-style-type: none"> • Liquid stable, ready-to-use • General chemistry analyzer applications available |
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Benefits:

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| <ul style="list-style-type: none"> • Confidence in results • With the majority of tramadol excreted as metabolites, detecting these key metabolites should reduce the risk of false negatives | <ul style="list-style-type: none"> • Convenient way to provide a preliminary analytical test result to physicians • Flexible testing |
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Performance Characteristics

Method Comparison

- The overall agreement of the Tramadol assay and the LC-MS/MS confirmatory method is 96%. O-desmethyltramadol was detected in the discordant samples and contributed to the positive result obtained

Assay Range

- 0–1000 ng/mL

Cross Reactivity and Interference

- No cross-reactivity to other pain medications tested
- Demonstrated cross-reactivity with O-desmethyltramadol and N-desmethyltramadol (main metabolites)
- Tested endogenous substances do not interfere

Reference Range

- A measurement of 100 ng/mL or higher indicates that the sample is positive

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Ordering information

	Configuration	Catalog Number
ARK™ Tramadol Assay	R1 1 x 28mL R2 1 x 14mL	5040-0001-00
ARK™ Tramadol Assay	R1 1 x 115mL R2 1 x 58mL	5040-0001-01
ARK™ Tramadol Calibrator	5 x 10mL	5040-0002-00
ARK™ Tramadol Calibrator A (Negative)	2 x 10mL	5040-0002-01
ARK™ Tramadol Calibrator B (Cutoff)	2 x 10mL	5040-0002-02
ARK™ Tramadol Control	2 x 10mL (low/negative) 2 x 10mL (high/positive)	5040-0003-00



Experience + Technology + Portfolio + Support = **CLINICAL CHEMABILITY™**

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