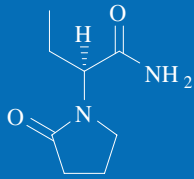


# ARK™ Levetiracetam II Assay



The ARK™ Levetiracetam II Assay is a homogeneous enzyme immunoassay for the quantitative determination of levetiracetam in human serum or plasma on automated clinical chemistry analyzers. The measurements obtained are used in monitoring levels of levetiracetam to help ensure appropriate therapy.

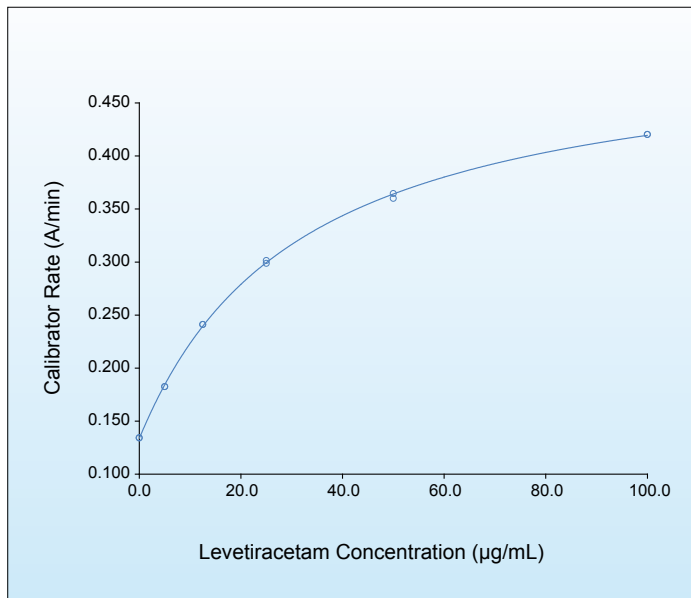


## KEY POINTS

- Improved precision and stability
- Homogenous enzyme immunoassay
- Applicable to many automated clinical chemistry analyzers
- Convenient, liquid-stable, ready-to-use
- Tested drugs and endogenous substances do not interfere

*Next Generation Assays*

## CALIBRATION RANGE



ARK™ Levetiracetam II Assay Measurement Range: 2.0 – 100.0 µg/mL.  
Linearity: 2.0 – 100.0 µg/mL  
LOQ: 2.0 µg/mL

## ACCURACY

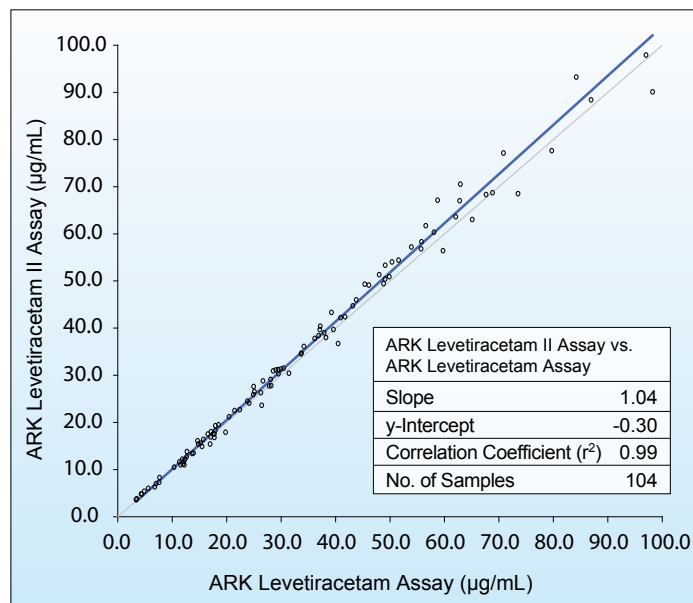
Target (µg/mL)	Mean (µg/mL)	SD	CV (%)	Recovery (%)
2.0	1.9	0.09	4.7	95.0
4.0	3.9	0.10	2.5	97.5
10.0	9.8	0.17	1.8	98.0
20.0	20.1	0.16	0.8	100.5
45.0	46.2	0.58	1.3	102.6
80.0	77.8	2.26	2.9	97.3
100.0	100.3	0.47	0.5	100.3

## PRECISION

Sample	N	Mean (µmol/L)	Within Run		Between Day		Total (Within Lab)
			SD	CV (%)	SD	CV (%)	
Control Low	160	7.6	0.16	2.1	0.09	1.2	2.3
Control Mid	160	30.5	0.45	1.5	0.34	1.1	2.0
Control High	160	75.7	1.41	1.9	0.99	1.3	2.9
Serum Low	160	7.7	0.11	1.4	0.06	0.8	1.6
Serum Mid	160	32.6	0.47	1.4	0.34	1.1	1.9
Serum High	160	80.5	1.62	2.0	0.80	1.0	2.2

Precision was performed according to (CLSI) Protocol EP5-A3.

## METHOD COMPARISON



## INTERFERENCE

Tested endogenous substances and co-administered drugs do not interfere\* with ARK™ Levetiracetam II Assay. The major metabolite ucb L057 does not cross react.

\*≤10% error

## SAFETY AND STABILITY

### Reagent on-board stability

Up to at least 60 days

### Shelf Life of Reagents, Calibrators, and Controls

18 months from date of manufacturing when stored at 2 – 8 °C

### Safety

Nonhazardous preservatives

Contains sodium azide ≤0.09%

Available upon request: CAP Proficiency Testing for Anti-epileptic Drugs.

## ORDERING INFORMATION

ARK™ Levetiracetam II Assay (R1 x 28 mL / R2 x 14 mL)	5070-0001-00
ARK™ Levetiracetam II Calibrator (1 x 4mL / 5 x 2mL)	5070-0002-00
ARK™ Levetiracetam II Control (3 x 4mL)	5070-0003-00

### ARK Diagnostics, Inc.

48089 Fremont Boulevard

Fremont, CA 94538

Tel: 510-270-6270 Fax: 510-270-6298

### For Customer Support:

Call toll free: 877-869-2320

customersupport@ark-tdm.com

[www.ark-tdm.com](http://www.ark-tdm.com)