

Is there a way to Perform Sirolimus Testing Virtually Hands-Free?

The fully-automated solution for Sirolimus testing

The options for Sirolimus testing have just gotten better. Before now, Sirolimus testing included multiple labor-intensive manual pretreatment steps for every sample processed. These manual tasks add up to time, resources, and an increased risk for errors that most laboratories can not afford to spare. Now, with the introduction of the Dimension® Sirolimus assay, laboratories can realize increased productivity for Sirolimus testing with a streamlined workflow process that is virtually hands-free.

Maximize your productivity by eliminating manual steps

The Sirolimus assay on the Dimension systems is the only fully-automated option for Sirolimus testing. With no manual pretreatment steps required, you can improve your productivity by eliminating labor-intensive tasks.

Incorporate Sirolimus testing into your routine

With the Dimension Sirolimus assay you get fast results any time, day or night.

- Uses whole blood for immediate testing
- No manual pretreatment required
- 20 minute time to first result

Dimension Systems Sirolimus (SIRO) Assay

Answers for life.

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Sirolimus Assay Specifications

Assay Analytical Performance

Mnemonic	SIRO
Assay Principle	Magnetic particle immunoassay (ACMIA)
Sample Type	EDTA Whole Blood
Sample Volume	200 µL
Assay Range	2.0 – 30 ng/mL (2.2 – 32.7 nmol/L)
Time to First Result	20 minutes
Reagent On-board Stability	Closed on-board (at 2-8° C): 30 days Open well stability: 2 days
Pretreatment	No manual sample pretreatment required
Calibration Stability	30 days
Dilution	Manual dilution – 1:2
Limit of Detection	1.7 ng/mL (1.85 nmol/L)
Functional Sensitivity	2.0 ng/mL (2.2 nmol/L)

Assay Precision/Reproducibility

Level	Mean ng/mL	Within Run % CV	Total % CV
Whole Blood Pools			
Pool 1	4.4	8.0	8.6
Pool 2	12.6	5.7	5.8
Pool 3	25.4	6.7	7.1
Pool 4	5.2	9.2	9.2
Pool 5	8.8	9.0	9.0
Pool 6	10.5	7.6	8.1
Whole Blood QC			
Level 1	2.7	13.0	14.5
Level 2	10.6	5.5	5.8
Level 3	22.3	4.9	5.4

Ordering Information

Catalog No.	Contents	No. of Tests
DF 306	4 Flex® Cartridges	80
DC 306	SIRO Calibrator	10 vials: 2 vials each of 5 levels
RXV1	Reaction Vessels	1000/pkg
RD702	Reagent Probe Cleaner	500 mL/bottle
RD703	Sample Probe Cleaner	500 mL/bottle

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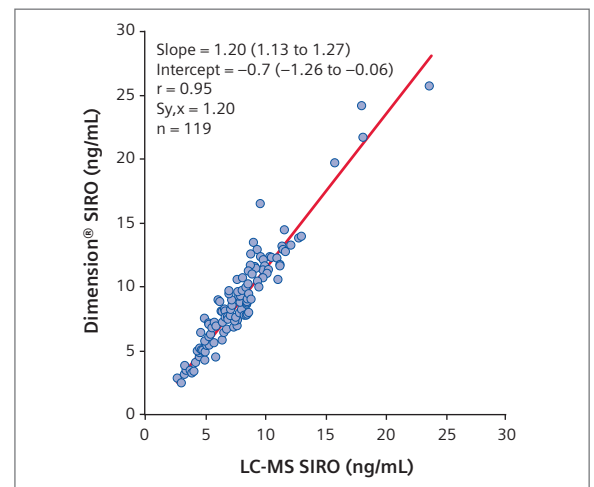
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Analytical Agreement

Method	Slope	Intercept		Correlation Coefficient	n
		ng/mL	nmol/L		
LC-MS/MS	1.20	-0.70	-0.76	0.95	119

CLSI/NCCLS EP9-A2 was used. The method used to fit the linear regression line was ordinary least squares. The model equation for regression statistics is: Result of Dimension® system = (Slope x comparative method result) + intercept.



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