

Ortho Clinical Diagnostics

403, Leela Business Park, Andheri Kurla Road,
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CALIBRATION CERTIFICATE

CERTIFICATE NO : OCD/ADL /010

CALIBRATED FOR : ADICHUNCHANAGIRI INSTITUTE OF MEDICAL SCIENCES

CALIBRATION DATE: 10-09-2024

CALIBRATION DUE : 09-03-25

LOCATION : MANDYA

CALIBRATED AT : AT SITE

SPECIFICATION OF INSTRUMENT :

INSTRUMENT	MODEL	SERIAL NO
VITROS CHEMISTRY SYSTEM	VITROS 250	25015616
	J NUMBER	J25015616

Specification of Software:

SOFTWARE NAME	SOFTWARE VERSION	UPDATED ON
DOS Rmx os	V9.7	Jan 2020

The Reference of Calibration: The performance/Adjustments of various subsystems has been calibrated/tested by trained site engineer with pre-designed /calibrated tools provided for the particular subsystems by the company.

PM Procedure Checklists:

Subsystem Name	Adjusted/Verified
1. Sample Supply * Hook Drive Belt	<input checked="" type="checkbox"/>
2. Slide Supply 1, 2 & slide transport Mechanical Adjustment: * Dispense Blade Centering Adjustment * Dispense Blade Drive Belt Tension * Plunger Centering Alignment Software Adjustment: * Dispense To Metering Position	<input checked="" type="checkbox"/>
3. Sample Metering Mechanical Adjustment: * Truck Sensor * Truck Guide Button * Metering Truck	<input checked="" type="checkbox"/>

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Software Adjustment:

- * Tip Pickup X,Y and Height
- * Sample Tray at Sample Position –Auto Sample Tray
- * Proboscis Centering and Sample Cup Depth
- * Mixing Cup X,Y and its Depth
- * Diluents Tray
- * Rate / Colorimetric Metering Position
- * Potentiometric Metering Position
- * Proboscis Compression
- * Wetness Detector



6. Slide Incubator

Software Adjustment:

- * Incubator Disk Sizing
- * Incubator Disk Stopping
- * PM Slide Insertion Depth
- * Slide Read Position (RT/CM Depth & Read Sync)
- * Potentiometric Eject Blade Depth



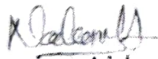
7. Reflectometer

- * IRIS Lamp Output Voltage
- * Correction Factor



9 . Master Computer

- * Touch Screen Calibration
- * System Full Backup



CALIBRATED BY

Nadeem S A
(Service Engineer)

NOTE:

1. This certificate refers only to the particular item submitted for calibration.
2. The calibration result reported in the certificate is valid at the time of and under the stated condition of the measurement.

READY

LAB COMP: TESTING COMPLETE
ENVIRONMENTAL MONITORING

SAMPLING Sep 10 24
ON OFF 15:19:21
V9.7 5616
ME15A

	Temperature 1	Temperature 2				Relative Humidity		
Incubator	36.98	36.98				37.99		
Slide Supply 1	22.09					17.33		
Slide Supply 2	22.37							
Reflectometer	88.00							
Ambient	28.05							
POWER SUPPLY	5V	12V	-12V	15V	-15V	24VM	24VF	
Slide Supply/Cart.Load	5.04	12.05	-12.13	14.80	-14.95	24.79	24.60	
Incubator/Immuno-Rate	5.04	11.96	-12.09	14.60	-14.64	24.60	24.60	
Ref.Mtrng/Slide Transport	5.04	11.96	-12.04	14.70	-14.75	24.42	24.42	
Sample Handler	5.00					24.79		24.60
Sample Metering	4.92					24.42		24.24
Photometer	5.00							24.35
Reflectometer	5.14							

Station and voltage readings are updated on a twenty-second interval.
NOTE: Flashing * indicates station or voltage readings not within spec.

RETURN HELP

Redmond
10-09-2024

INOP
ROSTICS - Setup/Adjustments

LAB COMP:
TESTING COMPLETE
Current Setup Values

SAMPLING Sep 10 24
ON OFF 15:14:05
V9.7 5616
SA25A

LOCK:	Sample	52	SLIDE TRANSPORT:	Disp to Metering	83
	Tip Pick Up	22		Inc/Disp Path	29
	Mixing Cup Left	35		Inc RT/CM Depth	43
	Mixing Cup Right	28		Inc PM Depth	48
	Diluent Tray	33		PM Eject Depth	23
	RT/CM Slide	76		Inc Steps/Rev	14353
	PM Slide	34	SAMPLE TRANSPORT:	Tray Fin Reference	306
				Carriage Meter Pos	-54
				Mixing Cup Trans	25
PROBOSCIS:	Mixing Cup Bottom	271		Diluent Tray Trans	16
	Sample Cup Bottom	345		Tray Hook	-81
	Prob. Compression	148		Psid Scan	0
	Tip Height	814	REFERENCE SLIDE CENTER:		177
			READ SYNC:		5.5ms

RETURN

INPUT
SETUP
VALUES

DISPLAY
MORE
DATA

RETURN TO
MAIN DIAG
MENU

HELP

W. Sabell
... 10/9

LAB COMP:
TESTING COMPLETE
SAMPLE METERING PERFORMANCE TESTS
Leak Test - Voltage Differential

SAMPLING
ON OFF

Sep 10 24
14:55:57
V9.7 5616
PT01B

Aspirate = 0.137 Vdc

Dispense = 0.020 Vdc

Ambient Pressure = 2.695 Vdc

Compare dispense and aspirate leak voltages to current specifications.
Do you wish to continue to Hysteresis Test? (Y/N):

TURN

DISPLAY	DISPLAY
PREVIOUS	NEXT
SCREEN	SCREEN

HELP

Robert
10/9

LAB COMP:
TESTING COMPLETE

SAMPLING
ON OFF

Sep 10 24
15:12:48
V9.7 5616
PT22L

DIAGNOSTICS - Performance Test
Reference Metering - System Check
Hysteresis Check

	MEAN	MAX	MIN
Hysteresis:	0.003	1.043	0.000
Pressure P0:	2.676	2.695	2.637
P1:	4.570	4.688	4.473
P2:	2.676	2.695	2.676

Compare the values to current specifications.

TURN

DISPLAY
DATA

RETURN TO
MAIN DIAG
MENU

HELP

Mabey
10/19

INOP

LAB COMP:
TESTING COMPLETE

SAMPLING
ON OFF

Sep 10 24
15:12:00
V9.7 5616
PT22D

DIAGNOSTICS - Performance Test
Leak Test - Voltage Differential

Aspirate = 0.000 Vdc

Dispense = -0.059 Vdc

Ambient Pressure = 2.656 Vdc

> Compare the values to current specifications.
> Do you wish to continue to Hysteresis Test?

(Y):

●
RETURN

DISPLAY
PREVIOUS
SCREEN

DISPLAY
NEXT
SCREEN

HELP

Madan
10/9

INOP

LAB COMP: TESTING COMPLETE

SAMPLING ON OFF

Sep 10 24 15:05:19 V9.7 5616 PT23A

DIAGNOSTICS - Performance Test Immuno-Rate - Immuno-Rate Timing

Rep.	HOME to Dispense		Dispense to HOME	
	Time(sec.)	Steps	Time(sec.)	Steps
1	2.556	3213	1.845	3118
2	2.557	3213	1.844	3118
3	2.559	3214	1.846	3118
4	2.557	3213	1.848	3118
5	2.557	3213	1.846	3118
6	2.557	3213	1.845	3118
7	2.558	3214	1.845	3118
8	2.555	3213	1.844	3118
9	2.555	3213	1.847	3118
10	2.557	3213	1.845	3118
Mean	2.557	3213	1.845	3118

Compare the values to current specifications. Press START to begin test.

RETURN

START

RETURN TO MAIN DIAG MENU

HELP

Wadsworth
10/9/24

LAB COMP: ON OFF 15:08:41
TESTING COMPLETE V9.7 5616
DIAGNOSTICS - Performance Test PT24L
Immuno-Rate - System Check
Hysteresis Check

	MEAN	MAX	MIN
Hysteresis:	0.051	0.516	0.000
Pressure P0:	2.656	2.715	2.656
P1:	4.512	4.609	4.414
P2:	2.656	2.695	2.656

Compare the values to current specifications.

RETURN

DISPLAY
DATA

RETURN TO
MAIN DIAG
MENU

HELP

Salmon
10/99

TOP

LAB COMP:
TESTING COMPLETE

SAMPLING
ON OFF

Sep 10 24
15:07:46
V9.7 5616
PT24D

DIAGNOSTICS - Performance Test
Leak Test - Voltage Differential

Aspirate = -0.020 Vdc

Dispense = -0.059 Vdc

Ambient Pressure = 2.637 Vdc

Compare the values to current specifications.
Do you wish to continue to Hysteresis Test?

(Y):

RETURN

DISPLAY	DISPLAY
PREVIOUS	NEXT
SCREEN	SCREEN

HELP

Valent
10/9

LAB COMP:
TESTING COMPLETE

SAMPLING
ON OFF

Sep 10 24
15:00:44
V9.7 5616
PT23A

DIAGNOSTICS - Performance Test
Immuno-Rate - Immuno-Rate Timing

Rep.	HOME to Dispense Time(sec.)	Steps	Dispense to HOME Time(sec.)	Steps
1	2.557	3213	1.844	3118
2	2.555	3213	1.845	3118
3	2.558	3213	1.846	3118
4	2.557	3213	1.845	3118
5	2.557	3213	1.846	3118
6	2.557	3213	1.845	3118
7	2.560	3214	1.845	3118
8	2.557	3213	1.845	3118
9	2.556	3213	1.844	3118
10	2.557	3213	1.844	3118
Mean	2.557	3213	1.845	3118

Compare the values to current specifications.
Touch START to begin test.

RETURN

START

RETURN TO
MAIN DIAG
MENU

HELP

Handwritten signature
10/19