

Ortho Clinical Diagnostics

403, Leela Business Park, Andheri Kurla Road,
Andheri East, Mumbai – 400059
T : +91 22 6787 9300
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CALIBRATION CERTIFICATE

CERTIFICATE NO : OCD/ESIC HOSPITAL/001
CALIBRATED FOR : ESIC HOSPITAL SANATHNAGAR
LOCATION : BIO-CHEMISTRY

CALIBRATION DATE : 15/04/2023
CALIBRATION DUE : 14/04/2024
CALIBRATED : AT SITE

SPECIFICATION OF INSTRUMENT :

INSTRUMENT	MODEL	SERIAL NO
VITROS CHEMISTRY SYSTEM	V-4600	4600-1654
	J NUMBER	J46001654

Specification of Software:

SOFTWARE NAME	SOFTWARE VERSION	UPDATED ON
<i>Qnx os</i>	<i>V3.7.1</i>	<i>April 2023</i>

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.

Subsystem Name

Verified

1. Slide Supply 1& 2

Software Adjustment:

- * Supply 1 (Outer) Stopping At Dispense
- * Supply 2 (Inner) Stopping At Dispense
- * Supply 1 & 2 Plunger Position
- * Dispense Blade At Tip Locator Position
- * Dispense Blade At PM Ring Depth
- * CM Tip Locator X, Y & Z
- * Leak Pad X & Z
- * Slide Align Guide



2. Reagent Supply 3

Software Adjustment:

- * Secondary Metering to Supply 3 Outer & Inner Reagent Aspiration
- * Supply 3 Bottom
- * Supply 3 Barcode reader & Load Position
- * Pack Opener Theta & Z Position
- * Secondary Metering Leak Pad X & Z



3. Tip Processing Center

- * Versa Tip Loading Position
- * Versa Tip Ring to Primary Metering Pickup X & Z
- * Versa Tip Ring to Secondary Metering Pickup X & Z
- * Primary Metering to Primary Tip Sealer X,Y & Z
- * Primary Metering to Cuve tip Dropoff X & Z



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- * Secondary Metering to Cuvetip Aspirate X & Z
- * CuveTip Discard Position Theta & ARM
- * Micro Sensor CuveTip Position
- * Micro Sensor CuveTip Lifter Z

4. Sample Supply

- * Triflex Sample Position X
- * Stat Sample Position X
- * Primary Sample Position X



5. Primary Metering

Software Adjustment:

- * VersaTip Ring Truck X & Z
- * Secondary Tip Sealer Truck X & Z
- * TipLocator Truck X & Z
- * Primary Tip Sealer X & Z
- * Cuvette Incubator Truck X & Bottom



6. ERF Metering

Mechanical Adjustment:

- * Metering Dispense Position Center, Initial
- * Dispense Position Verification



7. Micro Slide Incubator

Mechanical Adjustment:

- *CM/RT Ring Belt Tension
- * V- Three Wheel Alignment

Software Adjustment:

- * PM Ring Stopping Position
- * Dispense Blade to PM Ring Depth
- * CM/RT Ring Stopping Position
- * Depth of Insert Blades, CM & RT
- * RT Depth Of Discard Blade
- * WF Shuttle Home & Discard
- * WF Re-Insert Blade
- * Slide Align Guide



8. Reflectometer Assembly

Mechanical Adjustment:

- * Continuity Test

Software Adjustment:

- * Read Sync
- * Correction Factors



9. Wash Fluid Metering

- * WF Shuttle Home & Z
- * WF Metering Theta
- * Primary Well Theta
- * Leak Pad Z
- * WF Re-insert Blade
- * WF Shuttle Discard Position

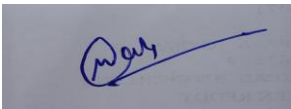


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- | | |
|--|-------------------------------------|
| 10. Cuvette Supply | <input checked="" type="checkbox"/> |
| * Cuvette Rack | |
| * Transport Arm at Row Retrieve | |
| 11. MicroTip Supply | <input checked="" type="checkbox"/> |
| * Secondary Metering MicroTip Pickup X | |
| * Secondary Metering MicroTip Pickup Z | |
| 12. Secondary Metering | <input checked="" type="checkbox"/> |
| * VersaTip Ring Truck X & Z | |
| * Secondary Tip Sealer Truck X & Z | |
| * Cuvette Tip Aspirate Truck X & Z | |
| * Cuvette Incubator Truck X & Bottom | |
| * Micro Tip Pickup Truck X, Y & Z | |
| * Supply 3 Outer , Inner & Bottom | |
| * Leak Pad Truck X & Z | |
| 13. Cuvette Incubator | <input checked="" type="checkbox"/> |
| * Transport Arm at Row Retrieve | |
| * Transport Arm to Incubator Slot X, Y | |
| * Transport Arm to Pickup, Read, Discard | |
| * Primary Metering to Cuvette Incubator & Cuvette Bottom | |
| * Secondary Metering to Cuvette Incubator & Cuvette Bottom | |
| 14. Photometer | <input checked="" type="checkbox"/> |
| Software Adjustment: | |
| * Transport Arm at Read | |
| * Water Blanking | |
| 15. MicroSensor | <input checked="" type="checkbox"/> |
| * Micro Sensor CuveTip Position | |
| * Micro Sensor CuveTip Lifter Z | |
| 16. Master Computer | <input checked="" type="checkbox"/> |
| * System Full Backup | |

CALIBRATED BY



K.Manikantha
Area service Manager
Ortho Care – Service Support
Ortho Clinical Diagnostics

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.

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