



Date: 08/04/2022

## **CURRENT CALIBRATION CERTIFICATE OF A15C**

CUSTOMER NAME – **Arogyam Pathology Centre, Panaji**

Serial Number = 83105C0781  
Firmware = A15 User V5.10  
Firmware integrity checksum value = 0x5E5A  
Firmware integrity checksum size = 439400  
A15 Configuration checksum value = 0x3FC  
A15 Configuration checksum size = 986  
Rotor Temperature = 37.15  
Prove Temperature = 38.2  
System liquid scale sensitivity = 141  
Waste scale sensitivity = 207  
Metal filled Racks (grey color) = 1  
Sensitivity: (Tube Rack) = 39  
Sensitivity: (Pediatric Rack) = 70  
Sensitivity: (Reagent Rack) = 12  
X - Origin = 29  
Y - Origin = 251  
Z - Origin = 430  
X - Washing Station = 354  
Y - Washing Station = 85  
Z - Washing Station = 540  
X - Reactions Rotor = 88  
Y - Reactions Rotor = 1032  
Z - Reactions Rotor = 600

XYZ Tray - Pediatric Rack  
X1 (Rack1, 2, 3, 4) = 2708, 2163, 1610, 1058  
X2 (Rack1, 2, 3, 4) = 2711, 2165, 1604, 1057  
Y1 (Rack1, 2, 3, 4) = 102, 99, 99, 98  
Y2 (Rack1, 2, 3, 4) = 1449, 1445, 1447, 1447  
Z1 (Rack1, 2, 3, 4) = 734, 740, 735, 735  
Z2 (Rack1, 2, 3, 4) = 706, 706, 704, 702  
Z relationship Pediatric - Tube = 476

XYZ Tray - Reagent Rack  
X1 (Rack1, 2, 3, 4) = 2459, 1909, 1358, 801  
X2 (Rack1, 2, 3, 4) = 2474, 1915, 1366, 806  
Y1 (Rack1, 2, 3, 4) = 111, 108, 110, 107  
Y2 (Rack1, 2, 3, 4) = 1448, 1445, 1444, 1443  
Z1 (Rack1, 2, 3, 4) = 1203, 1203, 1203, 1203  
Z2 (Rack1, 2, 3, 4) = 1170, 1170, 1166, 1166

Rotor Position correction regarding to the dispensation point = 101  
Rotor Position correction regarding to the optical system = -6  
Filters wheel correction = 1  
Filter 0 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)  
Filter 1 = 340 (nm) IT = 500.2 (ms) Ref. IT = 496.1 (ms)  
Filter 2 = 405 (nm) IT = 107.5 (ms) Ref. IT = 97.8 (ms)

Filter 3 = 505 (nm) IT = 84.5 (ms) Ref. IT = 80.9 (ms)  
Filter 4 = 535 (nm) IT = 78.3 (ms) Ref. IT = 75.8 (ms)  
Filter 5 = 560 (nm) IT = 94.7 (ms) Ref. IT = 92.7 (ms)  
Filter 6 = 600 (nm) IT = 103.9 (ms) Ref. IT = 102.4 (ms)  
Filter 7 = 635 (nm) IT = 119.3 (ms) Ref. IT = 118.3 (ms)  
Filter 8 = 670 (nm) IT = 104.4 (ms) Ref. IT = 103.9 (ms)  
Filter 9 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)  
X - axis = 1658650 (x1000 steps)  
Y - axis = 1145692 (x1000 steps)  
Z - axis = 2410928 (x1000 steps)  
Reaction Rotor = 81989 (x10000 steps)  
Filter Wheel = 4081039 (x100 steps)  
Dispensing Pump = 1802340 (x10000 steps)  
Membrane pumps = 341760 (Commutation)  
3-way electrovalve = 1469178 (Commutation)  
Lamp = 729 (Hours)  
Biochemical preparation = 219827 (Cycles)  
Turbidimetry preparation = 6925 (Cycles)  
Bi-reagent Biochemical preparation = 48199 (Cycles)  
Bi-reagent Turbidimetry preparation = 5842 (Cycles)  
Pre-dilutions = 0 (Cycles)  
Start/End Washes = 6416 (Cycles)  
Wash Solution Washes = 0 (Cycles)  
Water Washes = 35638 (Cycles)  
New Rotor = 2679 (Rotors)  
Contamination detected = 2239 (Contaminations)

**Next Calibration due on – 07/05/2023**

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AUTHORISED SIGNATORY