

Registered Office:

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Website: www.biosystems.in
CIN - U29297TN2003PTC051492



Date: 08/08/2022

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)

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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 – 07/08/2023

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.



AUTHORISED SIGNATORY