

Date: 01/04/2023

## CURRENT CALIBRATION CERTIFICATE OF A15

CUSTOMER NAME – ALVA'S MEDICAL CENTRE

Serial Number = **83105C0578**  
Firmware = 6.19  
A15 Configuration checksum value = 0x4C5F  
A15 Configuration checksum size = 988  
Rotor Temperature = 36.8  
Prove Temperature = 40  
System Liquid Scale Sensivity = 142  
Waste Scale Sensivity = 160  
Level Detection Improved Rack = 1  
Sensitivity: (Tube Rack) = 45  
Sensitivity: (Pediatric Rack) = 102  
Sensitivity: (Out Fridge Reagent Rack) = 12  
Sensitivity: (Fridge Reagent Rack) = 36  
X - Origin = 55  
Y - Origin = 256  
Z - Origin = 430  
X - Washing Station = 368  
Y - Washing Station = 85  
Z - Washing Station = 540  
X - Reactions Rotor = 101  
Y - Reactions Rotor = 1037  
Z - Reactions Rotor = 600  
Tray XYZ- Pediatric Rack  
X1 (Rack3, 4) = 1616, 1062  
X2 (Rack3, 4) = 1617, 1067  
Y1 (Rack3, 4) = 94, 96  
Y2 (Rack3, 4) = 1447, 1448  
Z1 (Rack3, 4) = 735, 737  
Z2 (Rack3, 4) = 701, 702  
Z Relation Pediatric-Tube = 466  
Tray XYZ- Reagent Rack  
X1 (Rack3, 4) = 1356, 811  
X2 (Rack3, 4) = 1362, 814  
Y1 (Rack3, 4) = 112, 112  
Y2 (Rack3, 4) = 1442, 1443  
Z1 (Rack3, 4) = 1204, 1204  
Z2 (Rack3, 4) = 1171, 1169  
Tray XYZ- Fridge  
X1 (Rack1, 2) = 2535, 2026  
X2 (Rack1, 2) = 2546, 2043  
Y1 (Rack1, 2) = 50, 50  
Y2 (Rack1, 2) = 1400, 1400  
Z1 (Rack1, 2) = 1236, 1236  
Z2 (Rack1, 2) = 1226, 1228  
Rotor Position correction regarding to the dispensation point = 113  
Rotor Position correction regarding to the optical system = -8  
Filters wheel correction = -1  
Filter 0 = 0 (nm)      IT = 10.2 (ms) Ref. IT = 9.7 (ms)

# BioSystems

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Registered office:

**BioSystems Diagnostics Pvt. Ltd.,**  
A4, SIPCOT Industrial Park, Irungattukottai,  
Tamil Nadu - 602105, India  
Ph: +91 44 - 30341911 / 12/ 13/14  
Email: support@biosystems.in  
CIN - U29297TN2003PTC051492

Filter 1 = 340 (nm) IT = 359.9 (ms) Ref. IT = 359.4 (ms)  
Filter 2 = 405 (nm) IT = 125.4 (ms) Ref. IT = 124.9 (ms)  
Filter 3 = 505 (nm) IT = 106 (ms) Ref. IT = 106 (ms)  
Filter 4 = 535 (nm) IT = 93.7 (ms) Ref. IT = 93.7 (ms)  
Filter 5 = 560 (nm) IT = 97.3 (ms) Ref. IT = 97.3 (ms)  
Filter 6 = 600 (nm) IT = 109.1 (ms) Ref. IT = 109.1 (ms)  
Filter 7 = 635 (nm) IT = 89.6 (ms) Ref. IT = 89.1 (ms)  
Filter 8 = 670 (nm) IT = 139.3 (ms) Ref. IT = 139.3 (ms)  
Filter 9 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)  
X - axis = 229942 (x1000 steps)  
Y - axis = 116057 (x1000 steps)  
Z - axis = 310968 (x1000 steps)  
Reaction Rotor = 14734 (x10000 steps)  
Filter Wheel = 710296 (x100 steps)  
Dispensing Pump = 281938 (x10000 steps)  
Membrane pumps = 50796 (Commutation)  
3-way electrovalve = 221142 (Commutation)  
Lamp = 1232 (Hours)  
Biochemical preparation = 28040 (Cicles)  
Turbidimetry preparation = 78 (Cicles)  
Bireagent Biochemical preparation = 264 (Cicles)  
Bireagent Turbidimetry preparation = 0 (Cicles)  
Predilution = 0 (Cicles)  
Start/End Washings = 1689 (Cicles)  
WS Washings = 5818 (Cicles)  
H2O Washings = 976 (Cicles)  
New Rotor = 337 (Rotors)  
Contaminations detected = 20 Contaminations detected

**Next Calibration due on – 31/03/2024**

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AUTHORISED SIGNATORY