

Date: 19-09-2022

CURRENT CALIBRATION CERTIFICATE OF A25 AUTO ANALYSER

CUSTOMER NAME –Vinayak Diagnostic Centre, Chennai

Serial Number = 831015035

Firmware = A25 User V3.77

A25 Configuration checksum value = 0x7CB3

A25 Configuration checksum size = 461928

Rotor Temperature = 37.4

Probe Temperature = 39.04

Fridge Temperature = 16.4

System Liquid Low Level = 536

System Liquid High Level = 856

Waste Liquid Low Level = 568

Waste Liquid High Level = 856

Level Detection Improved Rack = 1

Sensitivity: (Tube Rack) = 75

Sensitivity: (Pediatric Rack) = 136

Sensitivity: (Out Fridge Reagent Rack) = 19

Sensitivity: (Fridge Reagent Rack) = 49

X - Origin = 23

Y - Origin = 22

Z - Origin = 500

X - Washing Station = 1349

Y - Washing Station = 18

Z - Washing Station = 275

X - Reactions Rotor = 2891

Y - Reactions Rotor = 662

Z - Reactions Rotor = 440

Tray XYZ- Pediatric Rack

X1 (Rack1, 2, 3) = 359, 693, 1024

X2 (Rack1, 2, 3) = 357, 690, 1028

Y1 (Rack1, 2, 3) = 21, 19, 19

Y2 (Rack1, 2, 3) = 1371, 1368, 1367

Z1 (Rack1, 2, 3) = 463, 461, 463

Z2 (Rack1, 2, 3) = 448, 445, 440

Z Relation Pediatric-Tube = 287

Tray XYZ- Reagent Rack

X1 (Rack1, 2, 3) = 503, 836, 1169

X2 (Rack1, 2, 3) = 506, 832, 1176

Y1 (Rack1, 2, 3) = 34, 32, 30

Y2 (Rack1, 2, 3) = 1369, 1365, 1363

Z1 (Rack1, 2, 3) = 746, 746, 746

Z2 (Rack1, 2, 3) = 728, 726, 725

Tray XYZ- Fridge

X1 (Rack1, 2, 3) = 1726, 2015, 2304

X2 (Rack1, 2, 3) = 1728, 2016, 2308

Y1 (Rack1, 2, 3) = 33, 33, 32

Y2 (Rack1, 2, 3) = 1295, 1296, 1298

BioSystems

human - centred biotech

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Z1 (Rack1, 2, 3) = 744, 745, 746

Z2 (Rack1, 2, 3) = 742, 742, 743

Tray XYZ- Central Rack

X1 (Central Rack) = 1345

X2 (Central Rack) = 1348

Y1 (Central Rack) = 659

Y2 (Central Rack) = 1267

Z1 (Central Rack) = 758

Z2 (Central Rack) = 756

Rotor Position correction regarding to the dispensation point = 13

Rotor Position correction regarding to the optical system = -1

Filters wheel correction = -2

Filter 0 = 0 (nm) IT = 10 (ms) Ref. IT = 9.9 (ms)

Filter 1 = 340 (nm) IT = 65 (ms) Ref. IT = 44.6 (ms)

Filter 2 = 405 (nm) IT = 10.9 (ms) Ref. IT = 8.7 (ms)

Filter 3 = 505 (nm) IT = 8.8 (ms) Ref. IT = 7.7 (ms)

Filter 4 = 535 (nm) IT = 7.7 (ms) Ref. IT = 6.8 (ms)

Filter 5 = 560 (nm) IT = 14.7 (ms) Ref. IT = 12.8 (ms)

Filter 6 = 600 (nm) IT = 9.6 (ms) Ref. IT = 8.6 (ms)

Filter 7 = 635 (nm) IT = 7.9 (ms) Ref. IT = 7.3 (ms)

Filter 8 = 670 (nm) IT = 9 (ms) Ref. IT = 8.4 (ms)

Filter 9 = 0 (nm) IT = 10 (ms) Ref. IT = 9.9 (ms)

X - axis = 2228348 (x1000 steps)

Y - axis = 1306488 (x1000 steps)

Z - axis = 1680495 (x1000 steps)

Reaction Rotor = 371511 (x10000 steps)

Filter Wheel = 10171425 (x100 steps)

Dispensing Pump = 1894586 (x10000 steps)

Membrane pump 1 = 1391252 (Commutation)

Membrane pump 2 = 1391256 (Commutation)

2-way electrovalve = 1391259 (Commutation)

3-way electrovalve = 1294351 (Commutation)

External electrovalve 1 = 112454 (Commutation)

External electrovalve 2 = 21105 (Commutation)

Lamp = 25825 (Hours)

Biochemical preparation = 312155 (Cicles)

Turbidimetry preparation = 151 (Cicles)

Bireagent Biochemical preparation = 24967 (Cicles)

Bireagent Turbidimetry preparation = 0 (Cicles)

Predilution = 0 (Cicles)

Start/End Washings = 17427 (Cicles)

WS Washings = 12860 (Cicles)

H2O Washings = 54953 (Cicles)

New Rotor = 3202 (Rotors)

Contaminations detected = 1355 Contaminations detected

Next Calibration due on - 18-09-23

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.



Authorized Signatory

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