

*Registered Office:*

**BioSystems Diagnostics Pvt. Ltd.,**  
A4, SIPCOT Industrial Park, Irungattukottai,  
Thandalam Village, Sriperumbudur - 602105.  
Ph: +91 - 44 - 3034 1911 / 12 /13  
E-mail: customersupport@biosystems.in  
Website: www.biosystems.in  
CIN - U29297TN2003PTC051492



Date: 19-07-2021

**CALIBRATION CERTIFICATE OF A15C**

CUSTOMER NAME – HANNAH JOSEPH HOSPITAL PVT.LTD , CHINTHAMANI.

Serial Number = 83105C0880

Firmware = 6.19

Firmware integrity checksum value = 0xD13D

Firmware integrity checksum size = 442472

A15 - Configuration checksum value = 0xF3AD

A15 - Configuration checksum size = 988

Rotor Temperature = 37.06

Prove Temperature = 39

Fridge Temperature = 0

System liquid scale sensivity = 155

Waste scale sensivity = 174

Metal filled Racks (grey color) = 1

Sensitivity: (Tube Rack) = 44

Sensitivity: (Pediatric Rack) = 111

Sensitivity: (Out fridge reagents) = 14

Sensitivity: (Fridge reagents) = 48

Sensitivity: (Stool Collection) = 110

X - Origin = 36

Y - Origin = 264

Z - Origin = 430

X - Washing Station = 362

Y - Washing Station = 97

Z - Washing Station = 540

X - Reactions Rotor = 91

Y - Reactions Rotor = 1043

Z - Reactions Rotor = 600

XYZ Tray - Pediatric Rack

X1 (Rack3, 4) = 1610, 1060

X2 (Rack3, 4) = 1615, 1063

Y1 (Rack3, 4) = 103, 105

Y2 (Rack3, 4) = 1455, 1456

Z1 (Rack3, 4) = 737, 733

Z2 (Rack3, 4) = 721, 717

Z Pediatric -&gt; Tube = 458

Z Pediatric -&gt; Stool tube = -500

XYZ Tray - Reagent Rack

X1 (Rack3, 4) = 1347, 798

X2 (Rack3, 4) = 1352, 795

Y1 (Rack3, 4) = 119, 121

Y2 (Rack3, 4) = 1454, 1452

Z1 (Rack3, 4) = 1210, 1210

Z2 (Rack3, 4) = 1186, 1180

XYZ Tray - Fridge

**Corporate Office:**  
**BioSystems S.A.** Costa Brava 30, 08030 Barcelona (Spain)  
Tel +34-93 311 00 00, Fax+34-93 346 77 99  
<http://www.biosystems.es>

**Registered Office:**  
**BioSystems Diagnostics Pvt. Ltd.,**  
A4, SIPCOT Industrial Park, Irungattukottai,  
Thandalam Village, Sriperumbudur - 602105.  
Ph: +91 - 44 - 3034 1911 / 12 /13  
E-mail: [customersupport@biosystems.in](mailto:customersupport@biosystems.in)  
Website: [www.biosystems.in](http://www.biosystems.in)  
CIN - U29297TN2003PTC051492



X1 (Rack1, 2) = 2538, 2023

X2 (Rack1, 2) = 2544, 2029

Y1 (Rack1, 2) = 53, 64

Y2 (Rack1, 2) = 1409, 1416

Z1 (Rack1, 2) = 1237, 1240

Z2 (Rack1, 2) = 1230, 1240

Rotor Position correction regarding to the dispensation point = 111

Rotor Position correction regarding to the optical system = -9

Filters wheel correction = 0

Filter 0 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)

Filter 1 = 340 (nm) IT = 296.4 (ms) Ref. IT = 275.5 (ms)

Filter 2 = 405 (nm) IT = 98.8 (ms) Ref. IT = 93.7 (ms)

Filter 3 = 505 (nm) IT = 98.3 (ms) Ref. IT = 95.2 (ms)

Filter 4 = 535 (nm) IT = 85 (ms) Ref. IT = 82.4 (ms)

Filter 5 = 560 (nm) IT = 92.2 (ms) Ref. IT = 90.6 (ms)

Filter 6 = 600 (nm) IT = 89.1 (ms) Ref. IT = 88.1 (ms)

Filter 7 = 635 (nm) IT = 90.6 (ms) Ref. IT = 89.6 (ms)

Filter 8 = 670 (nm) IT = 111.1 (ms) Ref. IT = 110.6 (ms)

Filter 9 = 0 (nm) IT = 10.2 (ms) Ref. IT = 9.7 (ms)

X - axis = 57742 (x1000 steps)

Y - axis = 33206 (x1000 steps)

Z - axis = 74264 (x1000 steps)

Reaction Rotor = 2281 (x10000 steps)

Filter Wheel = 99997 (x100 steps)

Dispensing Pump = 55465 (x10000 steps)

Membrane pumps = 12160 (Commutation)

3-way electrovalve = 47667 (Commutation)

Lamp = 1336 (Hours)

Biochemical preparation = 6620 (Cycles)

Turbidimetry preparation = 38 (Cycles)

Bi-reagent Biochemical preparation = 1156 (Cycles)

Bi-reagent Turbidimetry preparation = 0 (Cycles)

Pre-dilutions = 0 (Cycles)

Start/End Washes = 109 (Cycles)

Wash Solution Washes = 1592 (Cycles)

Water Washes = 285 (Cycles)

New Rotor = 74 (Rotors)

Contamination detected = 112 (Contaminations)

Next Calibration due on – 24/07/2022

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.



## AUTHORISED SIGNATORY

**Corporate Office:**  
**BioSystems S.A.** Costa Brava 30, 08030 Barcelona (Spain)  
Tel +34-93 311 00 00, Fax+34-93 346 77 99  
<http://www.biosystems.es>

