Website: www.biosystems.in
CIN – U29297TN2003PTC051492



# BA200 - Fully Auto Biochemistry Analyser

## Installation Qualification Certificate

For

Pace Hospitals

BioSystems Diagnostics Pvt. Ltd



CIN - U29297TN2003PTC051492



### **CERTIFICATE OF INSTALLATION**

Instrument Name: BA200 Fully Auto Biochemistry Analyzer

Serial Number : 832000665

Customer : Pace Hospitals

The undersigned performer certifies that the installation Qualification Protocol has been successfully completed for the instrument stated above.

Engineer

Signature

Name : Mr. Appanna Dora Designation : Service Engineer

Company : BioSystems Diagnostics Pvt. Ltd.,

Customer

Signature

Name : Mr. Anjaiah

Designation : Quality Manager

Company : Pace Hospitals



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



### **INSTALLATION REPORT**

Customer Name

: Pace Hospitals

Department

: Bio-chemistry

Contact Person

: Mr. Anjaiah

Instrument Model

: BA200

Serial Number

: 832000665

Date of Installation

: 25-07-2020

The System was installed along with the necessary accessories. All basic requirements and adjustments were checked and are found to be satisfactory Preliminary customer training was provided and standardization of all parameters was done. The Instrument is found to be working satisfactorily.



CIN - U29297TN2003PTC051492

BioSystems
REAGENTS & INSTRUMENTS
HERE, FOR YOU.

#### **INSTRUMENT SETUP:**

- Instrument and computer installed
- > Printer Installed
- ➤ User software 5.2.3 installed
- > All necessary cable connections given

#### **OPERATION INSPECTION:**

- > No air bubbles found in the Tubing
- > Temperature of the Needles/Reaction & Rotor Chamber are within range
- > No unusual noises produced in the system
- Warm up procedure within time limit
- > Internal Dosing of all Needle's were fine
- > External Dosing of all Wash Station is perfect
- > Conditioning of Machine with Air/Wash solution/Distilled water done

For Biosystems Diagnostics Pvt. Ltd

Mr. Appanna Dora

Service Engineer



Website: www.biosystems.in CIN - U29297TN2003PTC051492



## INSTALLATION QUALIFICATION

Customer Name

: Pace Hospitals

Address

: Pace Hospitals

23 Huda Techno Enclave Patrika Nagar,

Madhapur, Hyderabad -500081

Instrument Model

: BA200

Serial No.

: 832000665

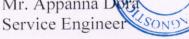
### Operational requirement for the Instrument:

Requirement	Acceptable Range	ange Observed Range	
Input Voltage	Voltage $220 \pm 10 \text{ V}$ 23		
Line Frequency	50 or 60 Hz	50 Hz	
Ambient Temperature	18 – 30 deg. C	25 deg. C	
Distill Water	Type II NCCLS	Available	

For Biosystems Diagnostics Pvt. Ltd

CHENNAI

Mr. Appanna D





Website: www.biosystems.in CIN – U29297TN2003PTC051492



# BA200 - Fully Auto Biochemistry Analyzer

# Operational Qualification

For

Pace Hospitals

BioSystems Diagnostics Pvt. Ltd



E-mail: customersupport@biosystems.in Website: www.biosystems.in CIN – U29297TN2003PTC051492



### BA200 - Fully Auto Biochemistry Analyzer

#### OPERATIONAL QUALIFICATION

- 1. System Performance check procedures.
- 2. System operational certificate.



E-mail: customersupport@biosystems.in Website: www.biosystems.in CIN – U29297TN2003PTC051492



### **CERTIFICATE OF OPERATION**

Instrument Name

: BA200 Fully Auto Biochemistry Analyzer

Serial Number

: 832000665

Customer

: Pace Hospitals

The undersigned performer certifies that the Operational Qualification Protocol has been successfully completed for the instrument stated above.

Engineer

Signature Name

Designation

Company

Mr. Appanna I

: Service Engineer

: BioSystems Diagnostics Pvt. Ltd

Customer

Signature

Name

: Mr. Anjaiah

Designation

: Quality Manager

Company

: Pace Hospitals



E-mail: customersupport@biosystems.in Website: www.biosystems.in CIN – U29297TN2003PTC051492



#### SYSTEM PERFORMANCE CHECK PROCEDURE

SYTEM CHECK	PERFORMANCE	
LED Photometric Check	Done	
Warm Up	Done	
Mechanical Adjustments	Done	
Temperature Check	Done	
Internal/External Dosing Check	Done	

Customer Signature:



E-mail: customersupport@biosystems.in Website: www.biosystems.in CIN – U29297TN2003PTC051492



#### **OPERATIONAL QUALIFICATION**

#### **System Certification:**

Study data has determined that the System described in this document either meets all criteria outlined in this Operational Qualification Protocol, or exceptional conditions have been identified and documentation included. Exceptional conditions, if any have been addressed. The system is ready for specified usage.

Protocol Performed By:

BioSystems Diagnostics Pvt Ltd

Name: Mr. Appanna Dora

Title : Service Engineer

Company: Biosystems Diagnostics Pvt Ltd

**Customer Authorization:** 

Pace Hospitals

Name: Mr. Anjaiah

Title: Quality Manager

ENGINEER SI

DATE:

SA CHENNEY STEWNS

**CUSTOMER SIGNATURE** 

DATE:



E-mail: customersupport@biosystems.in Website: www.biosystems.in CIN – U29297TN2003PTC051492



## BA200 - Fully Auto Bio Chemistry Analyzer

## Performance Qualification

For

Pace Hospitals

BioSystems Diagnostics Pvt. Ltd



Website: www.biosystems.in CIN – U29297TN2003PTC051492



## **BA200** Fully Auto Biochemistry Analyzer

### PERFORMANCE QUALIFICATION:

The following parameters were checked and found to be within acceptable limits.

Parameter		
Vertical Motors – Sample and reagent in Home		
Polar Motors – Sample and reagent in Home		
Reaction Rotor in home		
Sample and Reagent rotor in Home		
Ceramic Dispensing pump – Sample and reagent in Home		
Optics Initialization: Ok		
Peltier cells and drivers test		
Rotor Peltier and Sample Reagent Rotor peltier driver test: Ok		
Temperature system initialized		
LED test: ok		
Hardware completely initialized		



Website: www.biosystems.in CIN – U29297TN2003PTC051492



### **CERTIFICATE OF PERFORMANCE**

Instrument Name : BA200 Fully Auto Biochemistry Analyzer

Serial Number : 832000665

Customer : Pace Hospitals

The undersigned performer certifies that the Operational Qualification Protocol has been successfully completed for the instrument stated above.

Engineer

Signature

Name

Designation

Company

: Mr. Appanna

: Service Enginee

: BioSystems Diagnostics Pvt Ltd.,

Customer

Signature

Name : Mr. Anjaiah Designation : Quality Manager

Company : Pace Hospitals





E-mail: customersupport@biosystems.in Website: www.biosystems.in CIN – U29297TN2003PTC051492



Date: 24/08/2021

#### **CALIBRATION CERTIFICATE OF BA200**

#### **CUSTOMER NAME – Pace Hospitals, Hyderabad**

Serial Number = 832000665

User Software = 5.3.1

**Initialization Motor** 

Vertical Motors – Sample and reagent in Home

Polar Motors – Sample and reagent in Home

Reaction Rotor in home

Sample and Reagent rotor in Home

Ceramic Dispensing pump – Sample and reagentin Home

Optics Initialization: Ok

Peltier cells and drivers test

Rotor Peltier and Sample Reagent Rotor peltier driver test: Ok

Temperature system initialized

LED test: ok

Hardware completely initialized



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



Paremeters	Current value	Minimum	Maximum
Reading reference Position - Well 1	7892	7860	7905
Thermal adjustment of reaction rotor	37	37	39
Thermal adjustment of Wash station	46.4	42	50
Thermal adjustment of Sample &Reagent Probe	38.7	36	39
Photometric Dark Current Adjustment	3845	3300	4500
Main Photo Diode Counts 340NM	908093	600000	950000
Main Photo Diode Counts 405NM	899468	850000	950000
Main Photo Diode Counts 505NM	902320	850000	950000
Main Photo Diode Counts 535NM	896885	850000	950000
Main Photo Diode Counts 560NM	904533	420000	950000
Main Photo Diode Counts 600NM	902337	750000	950000
Main Photo Diode Counts 635NM	901197	850000	950000
Main Photo Diode Counts 670NM	897266	450000	950000

Next calibration due on: 23/08/2022

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.

**Authorised Signatory** 

A. Periyadhaeshini