TECHNICAL SERVICE REPORT

No.: CC23/11550

To be filled as per TSR no. generated by CRM

DiaSys India

Revision No.: 02

☑ WARRANTY	☐ NON SERVICE CONTRACT	☐ SERVICE CONTRACT

NAME OF LAB / HOSPITAL
Polo lab Mohiaelpur/ivy hospital

ADDRESS
inside ivy hospital, Mohiaelpur

CONTACT PERSON:
Ms. Ruchi

CONTACT NO.:
6283529218

EMAIL ID:
Pathlab1supervisior.hspr@ivyhosp...

WORK CARRIED OUT AT
☑ Site Service Centre

NATURE OF VISIT
- ☐ Application
- ☐ Emergency Call (Repairs)
- ☐ Pack/Move/Reinstallation
- ☐ Chargeable Service
- ☑ Preventive Maintenance — ☐ I ☐ II ☐ III
- ☐ Others

PARTICULARS OF INSTRUMENT

Name: SYS 200

Serial No.: SYS20211107

CALL LOG

	Start	End
Date	22/11/23	22/11/23
Time		

PARTICULARS OF ACTION TAKEN

Specify Your Diagnosis:

PM Done as per check list.

Run QC & Known Samples.

Instrument is working fine.

DI-Ionized water TDS: 1.27 ppm

Earthing: OK

Online UPS Available: Yes (✓) / No ( )

STATE ANY DAMAGES BEFORE SERVICE:

SPARE PARTS USED	SOURCE

Condition after service: (Please mark ✓) :
- ☑ Functioning normally
- ☐ Functioning but Requires action (See Remarks)
- ☐ Referred to Service Center (See Remarks)

Customer Remark :

Customer Feedback - Excellent (✓) Good ( ) Poor ( )

Remote Access Training Given - Yes (✓) No ( ) N/A ( )

Engineer Remark :

Approximate Service Charges :

Amritpal Singh
Service Engineer / Application Support Signature

22/11/23
Date

IVY HOSPITAL HOSHIARPUR
Customer's Signature/Stamp

(Application support to attach calibration / control / result data)

F-265

Preventive Maintenance Protocal SYS200

DiaSys India

CUSTOMER DETAILS

Customer Name: Polo lab Hoshiarpur / ivy hospital lab

Address: inside ivy hospital, Hoshiarpur

City: Hoshiarpur State: Punjab

Pincode:

Contact Person: Ms. Ruchi Phone: 6283529218

Installation Date: 15/12/21 Serial No.:

Email: pathlab.supervisor.hspr@ivyhospital.com

CUSTOMER REQUIREMENTS

Prior Appointment	Gloves, Masks,	Tissue Paper, Gauze,	DI Water, Hypo 0.5%
2% Anti Bacterial	WD40, Grease, Oil	Hardware Tools	Blower

PRECAUTIONS

(Kindly fill the details as mentioned in description.)

Function	Description	Done Y/N	Engineer Remarks
Take Customer Feedback	Take Customer Feedback reg Machine Performance, Issues, Damage, etc.	Y	
Check Power Quality	Check Voltage, Earthing at UPS & Raw Power	Y	
Check Water TDS	TDS Should be less than 1ppm. Check Cleanliness of External Water Tank. Check for any Obstruction in Drain Tube		1.26 PPM
Check Results	Check Results of Patients,QC and Reaction Curve	Y	
Check Lamp	Check Lamp & Cuvette Values. Check Last Replacement Date	Y	
Check Performance	Run a Sample & Observe Machine Performance like Probe Movements, Alignments, Blockage, Washing Function etc. Then Store Reagents in Fridge.	Y	
Check Cooling	Check Reagent Tray Cooling & Incubation bath Temperature	Y	
Check for Damage	Inspect Machine Thoroughly for Any Damage.		No Damage

PM-SYS01

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PREVENTIVE MAINTENANCE PROCEDURE

Function	Description	Done Y/N	Engineer Remarks
Soak Cuvettes	Remove & Soak Cuvettes in 5% Alkaline Solution (50ml ALK in 1000ml DI Water)	Y	
Remove Covers	Remove Covers of Machine for Inspection & Cleaning Purpose	Y	
Clean Dust	Cover Reaction Tray. Loosen the Dust in all Parts using a Brush & Clean the Dust using a Blower.	Y	
Clean all Probes	Clean Sample Probe Tip,Wash Probes & Drier Tip with Alcohol soaked Gauze. Clean Mixer Probe with 2% Anti Bacterial. Use Syringe Tool with Hypo 0.5% for Cleaning Sample Probe in case of Block. Check Sample Probe Spring Action.	Y	
Clean Wash Stations	Pour 5ml of 0.5% Hypo in Sample Probe Wash Station & Clean all Wash Stations with Hypo Soaked Ear Buds. Then Pour 50ml DI Water after 10minutes to Rinse.	Y	
Clean Incubation Bath	Clean Incubation Bath Inner Surface with Alcohol Soaked Gauze without scratching the Lens.	Y	
Clean Filters	Clean DI Water Main Inlet Filter. Clean Incubation Bath Inlet & Drain Filters.	Y	
Clean Tubings	Remove & Clean All Tubings with Diluted Hypo 1:20. Clean De-Bubbler also same way. Rinse with DI Water thoroughly.	Y	
Clean Tray	Clean Reagent Tray Surface with 2% Anti Bacterial Solution. Put 5ml of 2% Anti Bacterial Solution in Reagent Tray Drain Hole.	Y	
Clean Syringe Sensor	Clean Dust in Syringe Sensor	Y	
Lubrication	Clean Probe Shafts with WD40 Soaked Tissue Paper & Then Apply Oil/Grease using Soft Tissue Paper	Y	
Install PM Kit, Tubings etc	Install PM Kit all spares and Tubings carefully		No PM Kit available
Rinse Cuvettes & Install	After Soaking for few Hrs ,Rinse Cuvettes thoroughly with Running Tap Water & then with DI Water	Y	

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POST PM VALIDATION

Function	Description	Done Y/N	Engineer Remarks
Check all Functions	Assemble Machine & Check all Functions	Y	
Check Light Check	Check Light Check Values. Repeat Light Check & Check Repeatation Value (+/- 100) .	Y	
Check Water Flow	Check Water Flow at all Wash Probes, Probe Wash Stations. Check Sample Probe Water Stream Flow. Check Cuvette is Dry after Washing Step.	Y	
Check Cuvette Blank	Carry out Cuvette Blank & Verify Values (+/- 800)	Y	
Check Probe Alignment	Check Probe Alignment at all Positions & Do Probe Adjust if Required. Check Sample Probe is Straight.	Y	
Check Temperature	Check Reagent Tray Cooling again. Check Reaction Temperature 37°C	Y	
Check Precision & Control	Check Precision of GLU,CHOL,UREA,SGOT 5 times to assess machine performance. Check QC & Observe Samples.	Y	
Update Status to Customer	Update Machine Status to Customer & Take Service Report. Mention List of Spare Stock to be Kept at Customer Place.	Y	

Engineer's Remarks: _____

_____

_____

Customer's Feedback: _____

_____

_____

Amritpal Singh 22/11/23

Engineer's Signature

Customer's Signature/Stamp

IVY HOSPITAL HOSHIARPUR

Daily QC Report

Qc Test	Lot No.	QC Name	Target Mean	Target SD	Result	Unit	Status	DateTime
ALB	32787	TRULAB P	4.62	0.46	5	g/dL	Normal	22-11-2023 11:19:58
ALP	32787	TRULAB P	161	16.1	170	U/L	Normal	22-11-2023 11:23:43
ALT	32787	TRULAB P	112	11.2	120	U/L	Normal	22-11-2023 10:51:04
AMY	32787	TRULAB P	200	20	209	U/L	Normal	22-11-2023 10:54:04
AST	32787	TRULAB P	159	15.9	172	U/L	Normal	22-11-2023 10:51:19
Ca	32787	TRULAB P	11.9	1.19	12.6	mg/dL	Normal	22-11-2023 11:18:58
CRE	32787	TRULAB P	3.81	0.38	4.1	mg/dL	Normal	22-11-2023 11:52:47
DBIL	32787	TRULAB P	1.85	0.18	1.7	mg/dL	Normal	22-11-2023 10:53:19
GGT	32787	TRULAB P	83.7	8.37	85	U/L	Normal	22-11-2023 11:22:29
GLU	32787	TRULAB P	256	25.6	262.5	mg/dL	Normal	22-11-2023 11:22:58
HDL-C	32787	TRULAB P	47.6	4.76	36.38	mg/dL	< -2SD	22-11-2023 11:55:02
P	32787	TRULAB P	6.97	0.69	7.5	mg/dL	Normal	22-11-2023 10:52:18
TBIL	32787	TRULAB P	3.9	0.39	3.9	mg/dL	Normal	22-11-2023 10:52:20
TC	32787	TRULAB P	195	19.5	196.2	mg/dL	Normal	22-11-2023 10:53:19
TG	32787	TRULAB P	171	17.1	176.3	mg/dL	Normal	22-11-2023 10:53:33
TP	32787	TRULAB P	7.32	0.73	7	g/dL	Normal	22-11-2023 11:22:58
UA	32787	TRULAB P	6.97	0.69	7.36	mg/dL	Normal	22-11-2023 10:53:33
UREA	32787	TRULAB P	150	15	150.82	mg/dL	Normal	22-11-2023 10:51:36