

**T TULIP DIAGNOSTICS (P) LTD.**

a ParkinElmer company

CIN: U05190GA1999PTC005711

**Hyderabad Office:**

H. No. #5-70, Beside Andhra Bank, Street No. 8,

Habibguda, Hyderabad - 500 007, INDIA.

Tel.: (040) 27177885, +91 7995001872

E-mail: tulipgroup.hyd@gmail.com

## Installation Qualification

For

### Turbodyne-SC

Turbidimetry ● Nephelometry

S.NO: P15070195

**PACE HOSPITALS**

**PLOT NO 23, HUDA TECHNO ENCLAE ,PATRIKA NAGA  
MADHAPUR HYDERABAD-500081**



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Tel.: (0832) 2458546-51, Fax: (0832) 2458544 E-mail: sales@tulipgroup.com, Website: www.tulipgroup.com

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# T TULIP DIAGNOSTICS (P) LTD.

a ParkinElmer company

CIN: U01195GA1000PT0005717

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E-mail: tulipgroup.hyd@gmail.com

## Contents

- 1) Instrument Origin and Identification
- 2) Instrument Specification
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- 4) Instrument Delivery and Documentation
- 5) Instrument Safety
- 6) Assembly and Installation
- 7) Summary Report



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# T TULIP DIAGNOSTICS (P) LTD.

a PerkinElmer company

OR: 131475541581202577

Hyderabad Office:  
H. No. #5-70, Beside Andhra Bank, Street No. 6,  
Hebalguda, Hyderabad - 500 007, INDIA.  
Tel.: (040) 27177885, +91 7995001872  
E-mail: tulipgroup hyd@gmail.com

## 1) Instrument Origin and Identification

### Turbidyme-SC

Sr. No	Specification	As per design qualification	Specification received	Match (Yes/No)
1	General Feature	Turbidimetry & Nephelometry	Yes	Yes
2	Smart Card Technology	Lot specific assay calibration with application.	Yes	Yes
3	Optical system	Laser LED (650nm) and silicon detector at 135° & 180°	Yes	Yes
4	Reading Chamber	Temperature 37°C ± 1°C Auto Mixing	Yes	Yes
5	Display	4.3" Color touch screen	Yes	Yes
6	Electronic Pipette	Electronic pipette for reagent and auto start reading	Yes	Yes
7	Power requirement	External Power adaptor Input 220-240V 50/60Hz, Output 12V DC	Yes	Yes

Comments:

Scrutined



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CHE: LBS19MGA1988PTC008717

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Habsiguda, Hyderabad - 500 007, INDIA.  
Tel.: (040) 27177885, +91 7995001872.  
E-mail: tulipgroup.hyd@gmail.com

2) Instrument Specification

3) Turbidvno-SC

Sr. No	Specification	As per design qualification	Specification received	Match (Yes/No)
1	General Feature	Turbidimetry & Nephelometry		✓
2	Optical system	Laser LED (650nm) and silicon detector at 135° & 180°		✓
3	Reading Chamber	Temperature 37°C ± 1°C Auto Mixing		✓
4	Display	4.3" Color touch screen		✓
5	Memory	500 Result		✓
6	Power requirement	External Power adaptor Input 220-240V 50/60Hz, Output 12V DC		✓
7	Electronic Pipette	Electronic pipette for reagent and auto start reading		✓
8	Printer and data transfer	Inbuilt thermal printer (57mm) RS232 port for data transfer		✓
9	Battery Backup supply	2200mAH LI-ion battery		✓

Comments: *Satisfies*

4) Environment Condition

Has the Instrument been adequately acclimatized since transport or storage?

YES: ✓

NO:

Operating Parameters	Specified Range	Conditions Met
Ambient Temperature	0 - 40°C	27
Maximum Relative Humidity	≤ 85%	45 - 65
Maximum Height	01 mtr	1.5
Supply Voltage & Frequency	External Power adaptor Input 220-240V 50/60Hz, Output 12V DC	230, 50Hz

Comments: *Satisfies*



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Habsiguda, Hyderabad - 500 007, INDIA.  
Tel.: (040) 27177885, +91 7995001872.  
E-mail: tulipgroup.hyd@gmail.com

## 6) Instrument Safety

### Manufacturer Safety Recommendations:

- |  |  |                              |
|--|--|------------------------------|
| Allow enough space for the Instrument                                | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |
| Position on level, non-combustible surface Indoors                   | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |
| Area free from aggressive/ explosive chemical mixtures               | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |
| Ensure correct power supply and all power switches Easily accessible | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |
| Beware of moving parts during working                                | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |
| Do not use Heat material that could cause fire or other Hazards      | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |
| Read Operator Manual before use                                      | YES: <input checked="" type="checkbox"/> | NO: <input type="checkbox"/> |

Comments: *Sensitivity*



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# T TULIP DIAGNOSTICS (P) LTD.

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CR: US1195GA1985PTC02577

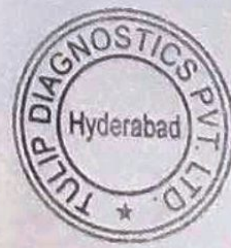
## Hyderabad Office:

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Habsiguda, Hyderabad - 500 007, INDIA.  
Tel.: (040) 27177885, +91 7995001872  
E-mail: tulipgroup.hyd@gmail.com

## 7) Assembly and Installation

Assembled and installed By: <u>Dinesh</u>	User: <u>PAGE</u>	Specialized Engineer: <u>Mr. Sriniv</u>
Installation Procedure:	OK <input checked="" type="checkbox"/>	N/A
Unpack and retain Packaging		
Assembling the Instrument		
Verifying the site before connecting to power supply		
Checking the instrument before performing the Test		

Comments: Satisfied



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# T TULIP DIAGNOSTICS (P) LTD.

a ParkinElmer company

CIN: U41100KA1999PTC005717

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Habsiguda, Hyderabad - 500 007, INDIA.  
Tel.: (040) 27177885, +91 7995001872.  
E-mail: tulipgroup.hyd@gmail.com

**8) Summary Report**

Instrument Name: *Turbidimeter - SC*

Sr. No.: *P15070195*

Manufacturer: *Tulip Diagnostics Pvt Ltd*

Assessment of complete Installation Qualification:

No Deviations:

Deviations:

Deviation	Impact on Operation	Justification for Acceptance
/	/	/
/	/	/
/	/	/
/	/	/

Successful completion of the preceding activities and checks indicates that this Instrument is installed successfully as per the set protocol. The instrument has passed the Installation Qualification procedure and may now be released for use.

IQ Completed By:	<i>Mr. Dinesh</i>	Date:	<i>9/1/2017</i>
Deviations Approved By:	—	Date:	—
IQ Approved By:	<i>Mr. Sunny</i>	Date:	<i>9/1/2017</i>

Comments: *Satisfied*



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# T TULIP DIAGNOSTICS (P) LTD.

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CVI 1851564198PTG00117

**Hyderabad Office:**

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Tel.: (040) 27177885, +91 7995001872.  
E-mail: tulipgroup.hyd@gmail.com

## Operation

## Qualification For

## Turbodyne-SC

Turbidimetry ● Nephelometry

S.NO: P15070195

PACE HOSPITALS

PLOT NO 23, HUDA TECHNO ENCLAE ,PATRIKA NAGAR  
MADHAPUR HYDERABAD-500081



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# T TULIP DIAGNOSTICS (P) LTD.

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CIN: U65195GA1998PTC005717

## Hyderabad Office:

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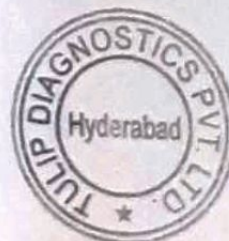
Habsiguda, Hyderabad - 500 007, INDIA.

Tel.: (040) 27177885, +91 7995001872

E-mail: tulipgroup.hyd@gmail.com

## Contents

- 1) Safety Tests
- 2) Pre-Run Checks
- 3) Functional Tests
- 4) Training
- 5) Summary Report



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# T TULIP DIAGNOSTICS (P) LTD.

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Tel.: (040) 27177885, +91 7995001872.  
E-mail: tulipgroup hyd@gmail.com

## 1) Safety Tests

This instrument confirms to the following standards and is supplied fully tested by the Manufacturer.

- Electrical equipment for measurement, control and laboratory use.
- Instrument requirement for laboratory for Blood testing.

The following electrical safety tests should be carried out by a competent person after installation.

Safety Tests	Pass	Fall	Date	Signed
Earthing	✓			Dub
UPS Supply	✓			Dub

Comments: *See attached*

## 2) Pre-Run Checks

### Turbodyne-SC

Pre run check	OK	N/A
Reading Chamber Empty	/	/
Paper Roll Present	/	/
Temperature 37°C	/	/

Comments: \_\_\_\_\_



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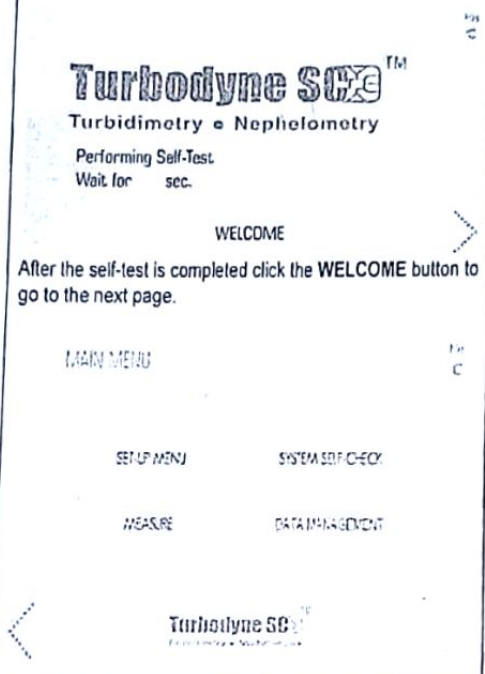
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 E-mail: tulipgroup hyd@gmail.com

### 3) Functional Tests

#### Turbodyne-SC

Functional Test	Acceptance Criteria	Pass	Fail
Instrument power ON	<p>The analyser performs self-check. The counter on the display "wait for XXX Sec (600 sec), indicates the time required for Optical stabilization during self-check, as show in below image:</p> 	✓	

Comments: self test



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# T TULIP DIAGNOSTICS (P) LTD.

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CIN: U01199SA1998PTC009713

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E-mail: tulipgroup hyd@gmail.com

4) **Training**

Trained Operators	Read Operator Manual	Read SOP	Practical Training	Authorizing Signature
K. N. S. Shetty	Yes	Yes	Yes	[Signature]
A. Anand	Yes	Yes	Yes	[Signature]
Pooja	Yes	Yes	Yes	[Signature]
P. K. S. S. S.	Yes	Yes	Yes	[Signature]
P. K. S. S.	Yes	Yes	Yes	[Signature]

Comments: *Satisfactory*



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 Tel.: (040) 27177885, +91 7995001872.  
 E-mail: tulipgroup hyd@gmail.com

## 5) Summary Report

Instrument Name: *Turbidimeter - SC*

Sr. No.: *P1507095*

Manufacturer:

Assessment of complete Operational Qualification:

No Deviations:

Deviations:

Deviation	Impact on Operation	Justification for Acceptance
/	/	/
/	/	/
/	/	/
/	/	/

Successful completion of the preceding activities and checks indicates that this Instrument is installed successfully as per the set protocol. The instrument has passed the Installation Qualification procedure and may now be released for use.

IQ Completed By:	<i>Mr. Dinesh</i>	Date:	<i>9/1/2017</i>
Deviations Approved By:	<i>-</i>	Date:	<i>-</i>
IQ Approved By:	<i>Mr. Sunny</i>	Date:	<i>9/1/2017</i>

Comments: *Satisfactory*



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Tel.: (040) 27177885, +91 7995001672.

E-mail: tulipgroup hyd@gmail.com

## Performance Qualification

For

### Turbodyne-SC

Turbidimeter Nephelometry

**S.NO: P15070195**

**PACE HOSPITALS.**

**PLOT NO 23, HUDA TECHNO ENCLAE ,PATRIKA NAGAR  
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CAJ 105190A1998P0005717

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## Contents

Performance Check  
Triggering Factor  
Calibration  
Re-Calibration  
Routine Maintenance  
Safety Tests  
Summary Report  
Performance



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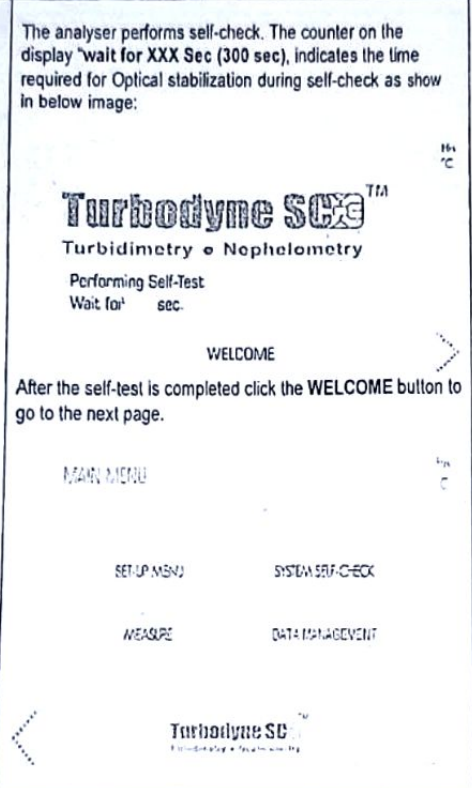

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 E-mail: tulipgroup.hyd@gmail.com

1) Performance Check

**Turbodyne SC**

Functional Test	Acceptance Criteria	Pass	Fail
Instrument power ON	<p>The analyser performs self-check. The counter on the display "wait for XXX Sec (300 sec), indicates the time required for Optical stabilization during self-check as show in below image:</p>  <p>After the self-test is completed click the WELCOME button to go to the next page.</p>		

Comments: *substituted*



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CEI #51125JA1999PT095217

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 E-mail: tulipgroup.hyd@gmail.com

## 2) Triggering Factor

Calibration	Calibration is done by factory side at first time
Re-Calibration	After 1 year
Routine Maintenance	2 routine maintenance in a year

## 3) Calibration

Calibration	Suggested Time	Not Done	Ok	Not Ok
Temperature calibration check	37°C		✓	
Timer calibration check				

Comments:- sub'stance

## 4) Re-Calibration

Calibration	Suggested Time	Not Done	Ok	Not Ok
Temperature calibration check	—	✓	✓	
Timer calibration check	—	✓	✓	✓

Comments:- ✓



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 E-mail: tulipgroup.hyd@gmail.com

### 5) Routine Maintenance

This instrument has been designed for Blood Testing. If any fault occurs, it is advised to contact Tulip Diagnostics Service Engineer.

The frequency with which routine maintenance tasks are being completed should be recorded below.

Routine Maintenance	Date	Done	Not Done

Comments: *Every six months*

### 6) Safety Tests

This instrument conforms to the following standards and is supplied fully tested by the Manufacturer.

- Electrical equipment for measurement, control and laboratory use.
- Instrument requirement for laboratory for Blood testing.

The following electrical safety tests should be carried out by a competent person after installation.

Safety Tests	Pass	Fail	Date	Signed
Earthing	<i>K</i>			<i>Dr</i>
UPS Supply	<i>K</i>			<i>Dr</i>

Comments: *satisfied*



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CHE 1051983A198PTC005711

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Habsiguda, Hyderabad - 500 007, INDIA.  
Tel.: (040) 27177885, +91 7995001872.  
E-mail: tulipgroup.hyd@gmail.com

## 1) Summary Report

Instrument Name: *Turbodyne-SC*  
Sr. No.: *P15070195*  
Manufacturer: *Tulip Diagnostics - PVT LTD*  
Assessment of complete Operational Qualification:

No Deviations:	Deviations:	
Deviation	Impact on Operation	Justification for Acceptance
/	/	/
/	/	/
/	/	/
/	/	/

Successful completion of the preceding activities and checks indicates that this Instrument is installed successfully as per the set protocol. The instrument has passed the Installation Qualification procedure and may now be released for use.

IQ Completed By:	<i>Mr. Dinesh</i>	Date:	<i>9/1/2017</i>
Deviations Approved By:	<i>←</i>	Date:	<i>—</i>
IQ Approved By:	<i>Mr. Sunny</i>	Date:	<i>21/1/2017</i>

Comments: *Satisfied*

*Aruni*  
*9/1/2017*



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# TULIP DIAGNOSTICS (P) LTD.

**TULIP DIAGNOSTIC (P)LTD .,(INSTRUMENT DIVISION)**  
**BAMBOLIM ,ST-INEZ & VERNA GOA**

a PerkinElmer company

CIN: UB5195GA1988PTC006717

**Hyderabad Office:**

H. No. #5-70, Beside Andhra Bank, Street No. 8,

Habsiguda, Hyderabad - 500 007, INDIA.

Tel.: (040) 27177885, +91 7995001872.

E-mail: tulipgroup.hyd@gmail.com

SOP No: SOP/ID/013-

CC NO : CC18/ID/001

## CALIBRATION CERTIFICATE

**Instrument Location & Details:** PACE HOSPITALS Laboratory 4<sup>th</sup> floor Plot No 23 Madhapur, Hyderabad - 500081 email : [lab@pacehospitals.in](mailto:lab@pacehospitals.in)

**Model :** Turbodyne –SC

**Calibration Date :** 26-07-2021

**Sr.No :** P15070195

**Calibration Due Date :** 25-07-2022

- 1) Scope : Calibration of Turbodyne SC
- 2) Item Details : Nomenclature Turbidimetry & Nephelometer Analyzer  
 Type /Model Turbodyne SC
- 3) Details of Test Equipments Used : 1) Glass Thermometer 2) Digital Stop Watch
- 4) Measurements and checks carried out under standard laboratory conditions .

Ambient Temperature 25.0 °C – 30.0 °C RH%80.0

- 5) Test Range And Accuracy :
  - 1) Incubator Temperature  $\pm 1^\circ\text{C}$  of  $37^\circ\text{C}$

### OBSERVATION:

MODULE		READINGS					RANGE	ERROR OBSERVED	RESULT S
		1	2	3	4	5			
1	Temp Inc °C	36.7	36.9	37.9	36.8	37.1	$\leq \pm 1^\circ\text{C}$	$\leq 0.2^\circ\text{C}$	PASS
2	Machine Chronometer In Seconds	5	50	120	300	600	<5%	<5%	PASS
3	External Chronometer Check count in seconds	4.76	48.9	118.6	279.1	594	<5%	<5%	PASS

### 6) Conclusion & Remarks :

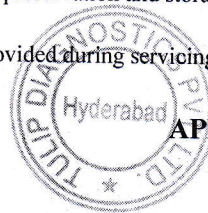
4) the standards used for calibration were calibrated using reference standards traceable to national standards . Reference Standards traceability details are as given below

SR.NO	DESCRIPTION	SL NO \MODEL	BASIC ACCURACY	TRACEABILITY
1	GLASS THERMOMETER	MT1801/ZEAL	$\pm 1^\circ\text{C}$	QATECH/GOA/01/21/MT1801
2	DIGITAL STOP WATCH	901/94005647/NIVIA	$\pm 0.07$ SEC	QATECH/GOA/01/19/901194008647

- 2) Calibration on Instruments Valid only if it is ensured that handling preservation and storage of the instruments is such that accuracy and fitness for use is maintained
- 3) Calibration of instruments is valid only if adequate safeguard is provided during servicing and maintenance

**CALIBRATED BY :**

Dinesh



**APPROVED BY :**

*[Signature]*

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HBAlc. octomber - 2

Date	LOT. NO.	Result	Range	mean	done by
rate	286101		5.6-8.2	7.0	
10/10/21	286101	7.3	5.6-8.2	7.0	Shivamm
21/10/21	286101	6.5	5.6-8.2	7.0	Shivamm
04/10/21	286101	8.2	5.6-8.2	7.0	Narsing
25/10/21	286101	7.6	5.6-8.2	7.0	shu
16/10/21	286101	8.2	5.6-8.2	7.0	shu
17/10/21	286101	8.3	5.6-8.2	7.0	shu
8/10/21	286101	6.4	5.6-8.2	7.0	shu
9/10/21	286101	6.3	5.6-8.2	7.0	shu
	286103		5.6-8.2	7.0	
9/10	286013	6.3	5.6-8.2	7.0	Shivamm
11/10/21	286013	6.7	5.6-8.2	7.0	shu
12/10/21	286013	6.8	5.6-8.2	7.0	shu
13/10/21	286013	6.3	5.6-8.2	7.0	shu
14/10/21	286013	7.0	5.6-8.2	7.0	shu
15/10/21	286013	7.5	5.6-8.2	7.0	shu
16/10/21	286013	7.8	5.6-8.2	7.0	shu
17/10/21	286013	8.1	5.6-8.2	7.0	shu
18/10/21	286013	8.1	5.6-8.2	7.0	shu
20/10/21	256013	7.5	5.6-8.2	7.0	shu
21/10/21	256013	6.6	5.6-8.2	7.0	shu
22/10/21	256013	6.2	5.6-8.2	7.0	shu
23/10/21	256013	5.9	5.6-8.2	7.0	shu
25/10/21	256013	7.9	5.6-8.2	7.0	shu
26/10/21	256013	6.2	5.6-8.2	7.0	shu
27/10/21	256013	6.5	5.6-8.2	7.0	shu
29/10/21	256013	6.4	5.6-8.2	7.0	shu
29/10/21	256013	6.7	5.6-8.2	7.0	shu
30/10/21					

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:

Test Name: HbA1c  
 Result: 7.80 % H  
 16/10/2021 10:05

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:

Test Name: HbA1c  
 Result: 7.60 % H  
 20/10/2021 09:18

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:

Test Name: HbA1c  
 Result: 6.79 % H  
 25/10/2021 09:25

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:

Test Name: HbA1c  
 Result: 6.55 % H  
 27/10/2021 09:08

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:

Test Name: HbA1c  
 Result: 6.44 %  
 28/10/2021 09:38

HbA1c - Sep 2021

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Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:  
Test Name: HbA1c  
Result: 6.97 %  
01-09-2021 10:50

QC

Date	Lot No.	Result	Range	Mean	Done by	HOD Sign
01/09/21	286101	6.9	5.6-8.2	7.0	popjan	Pranav
02/09/21	286101	6.77	5.6-8.2	7.0	KL	Pranav
03/09/21	286101					
04/09/21						
05/09/21						

Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:  
Test Name: HbA1c  
Result: 7.35 %  
30-09-2021 08:59

Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:  
Test Name: HbA1c  
Result: 7.35 %  
16-09-2021 10:02

Date	286103	Results	Range	Mean	Done by	HOD Sign
			5.6-8.2	7.0		
11-9/21	286103	7.4	5.6-8.2	7.0	gayathri	Pranav

12/9/21	286103	6.4	"	7.0	Naveen	Pranav
14/9/21	286103	6.9	5.6-8.2	7.0	shu	Pranav
15/9/21	286103	6.5	5.6-8.2	7.0	shu	Pranav
16/9/21	286103	7.3	5.6-8.2	7.0	shu	Pranav
17/9/21	286103	7.1	5.6-8.2	7.0	shu	Pranav
18/9/21	286103	6.5	5.6-8.2	7.0	shu	Pranav
19/09/21	286103	6.4	5.6-8.2			Pranav
20/09/21	286103	7.2	5.6-8.2			Pranav
21/9/21	286103	7.7	5.6-8.2	7.0	pralash	Pranav
22/9/21	286103	7.5	5.6-8.2	7.0	pralash	Pranav
23/09/21	286103	6.4	5.6-8.2	7.0		Pranav
24/09/21	286103	6.9	5.6-8.2	7.0	Gayathri	Pranav
25/09/21	286103	6.7	5.6-8.2	7.0		Pranav
26/09/21	286103	7.2	5.6-8.2	7.0		Pranav
27/09/21	286103	6.8	5.6-8.2	7.0	Gayathri	Pranav
28/09/21	286103	6.5	5.6-8.2	7.0	shu	Pranav
29/09/21	286103	6.5	5.6-8.2	7.3	shu	Pranav
30/09/21	286103	6.5	5.6-8.2	7.3	shu	Pranav

Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:  
Test Name: HbA1c  
Result: 6.55 %  
18-09-2021 09:19

Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:  
Test Name: HbA1c  
Result: 6.56 %  
15-09-2021 09:22

QC

Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:  
Test Name: HbA1c  
Result: 6.93 %  
14-09-2021 09:38

Test Report  
Patient Name:  
Patient ID:  
Age:  
Sex:

QC

# IAC

HbA1c

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date	LOT-NO	Result	Range	mean	done by	HDD Signature
	286101		5.6-8.2	7.0		
11/1/21	286103	7.0	5-6-8-2	7.0	shu	
2/11/21	286103	6.2	5-6-8-2	7.0	shu	
3/11/21	286103	7.0	5-6-8-2	7.0	shu	
5/11/21	286103	6.6	5-6-8-2	7.0	shu	
6/11/21	286103	6.4	5-6-8-2	7.0	shu	
8/11/21	286103	6.7	5-6-8-2	7.0	shu	
9/11/21	286103	6.6	5-6-8-2	7.0	shu	
10/11/21	286103	6.8	5-6-8-2	7.0	shu	
11/11/21	286103	6.6	5-6-8-2	7.0	shu	
12/11/21	286103	6.9	5-6-8-2	7.0	shu	
13/11/21	286103	6.6	5-6-8-2	7.0	shu	

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:  
 .....  
 Test Name: HbA1c  
 Result: 6.28 %  
 02/11/2021 09:18

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:  
 .....  
 Test Name: HbA1c  
 Result: 6.61 %  
 05/11/2021 10:27

date	LOT-NO	Result	Range	mean	done by
	286103		5.6-8-2	7.0	
15/11/21	286103	6.5	5-6-8-2	7.0	shu
16/11/21	286103	6.6	5-6-8-2	7.0	shu
17/11/21	286103	6.5	5-6-8-2	7.0	shu
18/11/21	286103	6.6	5-6-8-2	7.0	shu
19/11/21	286103	6.8	5-6-8-2	7.0	shu
20/11/21	286103	6.6	5-6-8-2	7.0	shu
21/11/21	286103	6.7	5-6-8-2	7.0	shu
22/11/21	286103	6.6	5-6-8-2	7.0	shu
23/11/21	286103	6.8	5-6-8-2	7.0	shu
24/11/21	286103	6.6	5-6-8-2	7.0	shu
25/11/21	286103	6.6	5-6-8-2	7.0	shu
26/11/21	286103	6.3	5-6-8-2	7.0	shu
27/11/21	286103	6.5	5-6-8-2	7.0	shu
29/11/21	286103	6.6	5-6-8-2	7.0	shu
30/11/21	286103	6.5	5-6-8-2	7.0	shu

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:  
 .....  
 Test Name: HbA1c  
 Result: 6.49 %  
 06/11/2021 08:55

Test Report  
 Patient Name:  
 Patient ID:  
 Age:  
 Sex:  
 .....  
 Test Name: HbA1c  
 Result: 7.03 %  
 03/11/2021 09:28

HBAIC. October-21

Date	Lot No.	Result	Range	mean	done by	HD sig
28/9/21	2856101	7.3	5.6-8.2	7.0	Shivanna	Pass
29/9/21	2856101	7.3	5.6-8.2	7.0	Shivanna	Pass
30/9/21	2856101	6.5	5.6-8.2	7.0	Shivanna	Pass
1/10/21	2856101	8.2	5.6-8.2	7.0	Messing	Pass
2/10/21	2856101	7.6	5.6-8.2	7.0	Shivanna	Pass
3/10/21	2856101	8.2	5.6-8.2	7.0	Shivanna	Pass
4/10/21	2856101	8.3	5.6-8.2	7.0	Shivanna	Pass
5/10/21	2856101	6.4	5.6-8.2	7.0	Shivanna	Pass
6/10/21	2856101	6.3	5.6-8.2	7.0	Shivanna	Pass
7/10/21	2856103	-	5.6-8.2	7.0	-	-
8/10/21	2856103	6.3	5.6-8.2	7.0	Shivanna	Pass
9/10/21	2856103	6.7	5.6-8.2	7.0	Shivanna	Pass
10/10/21	2856103	6.8	5.6-8.2	7.0	Shivanna	Pass
11/10/21	2856103	6.3	5.6-8.2	7.0	Shivanna	Pass
12/10/21	2856103	7.0	5.6-8.2	7.0	Shivanna	Pass
13/10/21	2856103	7.0	5.6-8.2	7.0	Shivanna	Pass
14/10/21	2856103	7.5	5.6-8.2	7.0	Shivanna	Pass
15/10/21	2856103	7.8	5.6-8.2	7.0	Shivanna	Pass
16/10/21	2856103	8.1	5.6-8.2	7.0	Shivanna	Pass
17/10/21	2856103	8.1	5.6-8.2	7.0	Shivanna	Pass
18/10/21	2856103	7.5	5.6-8.2	7.0	Shivanna	Pass
19/10/21	2856103	6.6	5.6-8.2	7.0	Shivanna	Pass
20/10/21	2856103	6.2	5.6-8.2	7.0	Shivanna	Pass
21/10/21	2856103	6.2	5.6-8.2	7.0	Shivanna	Pass
22/10/21	2856103	5.9	5.6-8.2	7.0	Shivanna	Pass
23/10/21	2856103	7.9	5.6-8.2	7.0	Shivanna	Pass
24/10/21	2856103	6.2	5.6-8.2	7.0	Shivanna	Pass
25/10/21	2856103	6.5	5.6-8.2	7.0	Shivanna	Pass
26/10/21	2856103	6.4	5.6-8.2	7.0	Shivanna	Pass
27/10/21	2856103	6.7	5.6-8.2	7.0	Shivanna	Pass
28/10/21	2856103	6.7	5.6-8.2	7.0	Shivanna	Pass

IAC November-21

Date	Lot No	Result	Range	mean	done by	HD sig
1/11/21	286103	7.0	5.6-8.2	7.0	Shivanna	Pass
2/11/21	286103	6.2	5.6-8.2	7.0	Shivanna	Pass
3/11/21	286103	7.0	5.6-8.2	7.0	Shivanna	Pass
4/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
5/11/21	286103	6.4	5.6-8.2	7.0	Shivanna	Pass
6/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
7/11/21	286103	6.7	5.6-8.2	7.0	Shivanna	Pass
8/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
9/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
10/11/21	286103	6.8	5.6-8.2	7.0	Shivanna	Pass
11/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
12/11/21	286103	6.9	5.6-8.2	7.0	Shivanna	Pass
13/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
14/11/21	286103	6.5	5.6-8.2	7.0	Shivanna	Pass
15/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
16/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
17/11/21	286103	6.8	5.6-8.2	7.0	Shivanna	Pass
18/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
19/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
20/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
21/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
22/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
23/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
24/11/21	286103	6.3	5.6-8.2	7.0	Shivanna	Pass
25/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
26/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
27/11/21	286103	6.5	5.6-8.2	7.0	Shivanna	Pass
28/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
29/11/21	286103	6.6	5.6-8.2	7.0	Shivanna	Pass
30/11/21	286103	6.5	5.6-8.2	7.0	Shivanna	Pass



Doc

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HBAIC

date	LOT-NO	Result	Range	mean	done-by	sig
1/12/21	286103	6.2	5.6-8.2	7.0	sh	Ans
2/12/21	286103	7.2	5.6-8.2	7.0	sh	Ans
3/12/21	286103	6.8	5.6-8.2	7.0	sh	Ans
4/12/21	286103	7.0	5.6-8.2	7.0	sh	Ans
5/12/21		7.2	5.6-8.2	7.0	mej	Ans
6/12/21	286103	7.3	5.6-8.2	7.0	sh	Ans
7/12/21	286103	6.8	5.6-8.2	7.0	sh	Ans
8/12/21	286103	7.4	5.6-8.2	7.0	sh	Ans
9/12/21	286103	7.2	5.6-8.2	7.0	KPR	Ans
10/12/21	"	7.4	5.6-8.2	7.0	sh	Ans
11/12/21	"	6.8	5.6-8.2	7.0	mej	Ans
12/12/21	"	7.1	5.6-8.2	7.0	sh	Ans
13/12/21	"	6.6	5.6-8.2	7.0	sh	Ans
14/12/21	"	6.6	5.6-8.2	7.0	sh	Ans
15/12/21	"	6.3	5.6-8.2	7.0	sh	Ans
16/12/21	"	6.6	5.6-8.2	7.0	sh	Ans
17/12/21	"	5.7	5.6-8.2	7.0	sh	Ans
18/12/21	"	5.9	5.6-8.2	7.0	sh	Ans
19/12/21	"					
20/12/21	"					
21/12/21	"					