

**Installation Qualification  
For  
BT1500**

Random Access Biochemistry Analyzer

## Contents

- 1) Instrument Origin and Identification
- 2) Environment Condition
- 3) Instrument Delivery and Documentation
- 4) Instrument Safety
- 5) Assembly and Installation
- 6) Summary Report

1) Instrument Origin and Identification

**BT-1500 Analyzer ( Biotecnica Instruments S.p.A. Italy )**

Sr. No.	Specification	As per design qualification	Specification received	Match (Yes/No)
1	General Feature	RandomAccess Analyser ,Micro Quartz glass cuvette , multi channel photometer capable of measuring absorbance of contents from micro cuvettes	✓	yes
2	No of cuvette in reaction tray.	32	✓	yes
3	Filter range	340 to 700 nm	✓	yes
4	Communication port	Serial port for interface, USB port	✓	yes
5	Printer	Printer external	✓	
6	Power requirement	1.1 KVA	✓	yes
7.	Ambient Conditions:	21°C Room Temperature, 33% RH	✓	yes

Comments: *OK*

2) Environment Condition

Has the Instrument been adequately acclimatized since transport or storage?

✓ YES:

NO:

Operating Parameters	Specified Range	Conditions Met
Ambient Temperature	18 °C to 32 °C	✓
Relative Humidity	10% to 90% RH, non condensating	✓
Maximum Height from base ..	90 cm	✓
Supply Voltage & Frequency	220-230V, 50 /60Hz	✓

Comments: OK

3) Instrument Delivery and Documentation

Unpack the Instrument carefully. Are any Items missing against the Packing List?		
YES:	<del>NO:</del>	
If yes, state the missing Items: _____		
Is there any damage to the Instrument or Accessories?		
YES:	<del>NO:</del>	
If yes: Description of Damage: _____		
Corrective Action: _____		
Manufacturing informed: <input checked="" type="checkbox"/> YES:                      NO:		
Is all Standard Documentation Included?		
Operating Manual:	<input checked="" type="checkbox"/> Present:	Missing:
Warranty Card:	<input checked="" type="checkbox"/> Present:	Missing:
Is all additional documentation Included:		
	<input checked="" type="checkbox"/> Present:	Missing:
Calibration Certificate:		
Installation Qualification:		
Operational Qualification:		
Performance Qualification:		

Comments: *OK*

4) Instrument Safety

**Manufacturer Safety Recommendations:**

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

---

Comments: OK

5) Assembly and Installation

Assembled and installed By: <i>Budip Kulsuri</i>	User: <i>The lub beyond excellence</i>	Specialized Engineer:
Installation Procedure:	<i>OK</i>	<i>N/A</i>
Unpack and retain Packaging	<input checked="" type="checkbox"/>	
Assembling the Instrument	<input checked="" type="checkbox"/>	
Verifying the site before connecting to power supply	<input checked="" type="checkbox"/>	
Checking the instrument before performing the Test	<input checked="" type="checkbox"/>	

Comments: *OK*

6) Summary Report

Instrument Name: BT-1500

Sr. No.: 47194956

Manufacturer: Biotechnica Instruments S.p.A.

Assessment of complete Installation Qualification:

No Deviations:

Deviations:

Deviation	Impact on Operation	Justification for Acceptance
NA	NA	NA

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>Fredrik Kullsvik</i> <i>Pravda</i>	Date:	28/03/23
Deviations Approved By:	<i>Jens Jopel</i> <i>J</i>	Date:	
IQ Approved By:	<i>Fredrik Kullsvik</i> <i>Pravda</i>	Date:	28/03/23

Comments: OK



**Operation Qualification**

**For**

**BT 1500**

Random access Biochemistry Analyzer

## Contents

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

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	Fail	Date	Signed
Earthing	✓		29/03/23	<i>[Signature]</i>
ON LINE UPS Supply	✓		29/03/23	<i>[Signature]</i>

Comments: OK

2) Pre-Run Checks

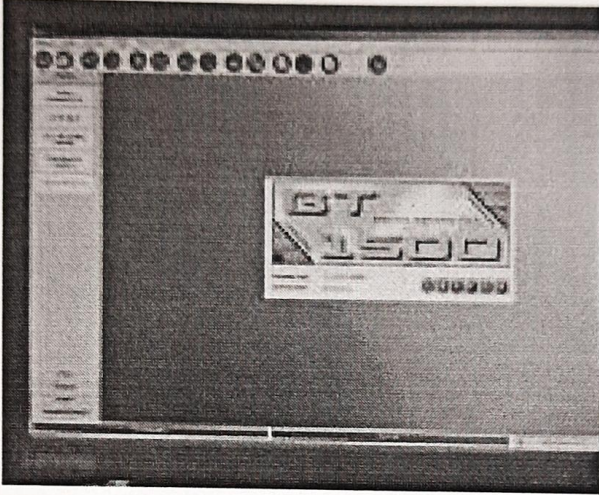
BT-1500

Pre run check	OK	N/A
Reagent Tray/ Sample tray Condition	✓	
Cuvette Condition	✓	
Dilution tube	✓	
Distilled water connection check	✓	
Waste container connection check	✓	

Comments: OK

3) Functional Tests

BIOTECNICA BT1500

Functional Test	Acceptance Criteria	Pass	Fail
Instrument power ON	Instrument initializes itself & shows the main menu as seen below:  A screenshot of a computer monitor displaying the main menu of the BT 1500 instrument. The screen shows a dark background with a central logo that reads 'BT 1500'. There are several icons and text elements around the logo, including a top bar with circular icons and a left sidebar with text.	✓	
Plate carrier	Movement	✓	

Comments: OK

4) Training

Trained Operators	Read Operator Manual	Read SOP	Practical Training	Authorizing Signature
Mahira Khan	✓	✓	✓	} Prudip Kushariya Prudip
Shubham Singh	✓	✓	✓	
Kareena K	✓	✓	✓	
Pranav Patil	✓	✓	✓	
Priyanka Patil	✓	✓	✓	

Comments: Authorized person trained.

5) Summary Report

Instrument Name: BT 1500

Sr. No.: 47194956

Manufacturer: Biotechnica Instruments S.p.A.

Assessment of complete Operational Qualification:

No Deviations: ✓

Deviations:

Deviation	Impact on Operation	Justification for Acceptance
NA	NA	NA

Successful completion of the preceding activities and checks indicates that this Instrument is operating satisfactorily following delivery and installation. The instrument has passed the Operational Qualification procedure and may now be released for use.

OQ Completed By:	Pradip Kulkarni Pradip	Date:	28/03/23
Deviations Approved By:	Jay gopal ⊕	Date:	28/03/23
OQ Approved By:	Pradip Kulkarni Pradip	Date:	28/03/23

Comments: NA

**Performance Qualification  
For  
BT 1500**

Random Access Biochemistry Analyzer




## Contents

- 1) Performance Check
- 2) Annual Maintenance
- 3) Safety Tests
- 4) Summary Report

1) Performance Check

BT-1500

Functional Test	Acceptance Criteria	Pass	Fail
Instrument power ON	Instrument initializes itself & shows the main menu as seen below: 	✓	
Washing Piston Valve	pass	✓	
Arm Liquid Sensor	pass	✓	
Diluter Valve, Peristaltic Pump & Needle	pass	✓	

Comments: pass

2) Annual 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
Preventive maintenance	28/03/24		✓

Comments: ok (due for next year)

### 3) 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	Fail	Date	Signed
Earthing	✓		29/03/23	<i>[Signature]</i>
UPS Supply	✓		29/03/23	<i>[Signature]</i>

Comments: *pass*

4) Summary Report

Instrument Name: BT- 1500

Sr. No.: 47194956

Manufacturer: Biotechnica Instruments S.p.A.

Assessment of complete Performance Qualification:

No Deviations:

Deviations:

Deviation	Impact on Operation	Justification for Acceptance
NA	NA	NA

Successful completion of the preceding activities and checks indicates that this Instrument is operating satisfactorily following delivery and installation. The instrument has passed the Operational Qualification procedure and may now be released for use.

PQ Completed By:	<i>Poojit Kalsur</i> <i>Poojit</i>	Date:	29/03/23
Deviations Approved By:	<i>Jay godal</i>	Date:	29/03/23
PQ Approved By:	<i>Poojit Kalsur</i> <i>Poojit</i>	Date:	29/03/23

Comments: *PASS*



Instrument Calibration Report

Instrument Model: BT 1500 Date: 29/03/23

Serial No: 47194956

MAINTENANCE PROGRAM	<input type="checkbox"/>
CALIBRATION	<input checked="" type="checkbox"/>

Meter used for calibration: \_\_\_\_\_

General Inspection	OK	NO	Remark
Check for proper function of printer, display, keyboard and mouse	✓		
Check the proper function of fan	✓		
Check photometric lamp	✓		
Check Clinical Chemistry tubings	✓		
Check Clinical Chemistry washing pump cartridge	✓		
Arm sampling needle	✓		
Washing needle funnel efficiency	✓		

TEST	OK	NO	Remark
Verify the nonimate voltage of photometric lamp to 11.88 ÷ 12.12V	✓		
Verify cuvette temperature (37° C)	✓		
Verify cuvette temperature through monitor (37° C)	✓		
Verify the pressure of empty pump through monitor (1.0 ÷ 1.8 Bar)	✓		
Verify the proper working of the serum LED	✓		
Verify left arm vacutainer sensitivity	✓		
Verify the function of sensor inside water tank	✓		
Verify temperature adjustment to reagent plate ( 8 °C )	✓		
Verify the proper working of clinical chemistry arm head heater <sup>(1)</sup>	✓		
Verify function of serum scanner bar-code	✓		
Verify function of reagent scanner bar-code	✓		
Check all mechanical calibrations	✓		
Verify photometric gain	✓		

TEST	OK	NO	Remark
Verify photometric offset	✓		
Replace lamp if necessary		✓	
Check optical transmission	✓		
Clean cuvettes	✓		
Calculate FCC( if necessary )		✓	
Check photometric stability (min. 10 samples)	✓		
Check reproducibility (min. 10 samples with known concentration of bichromatic)	✓		

DATE: 29/03/23

DATE FOR THE NEXT PREVENTIVE MAINTENANCE /  
CALIBRATION DATE:: 28/03/24

SIGNATURE: \_\_\_\_\_

*psuelip*

TEST	OK	NO	Remark
Verify photometric offset	✓		
Replace lamp if necessary		✓	
Check optical transmission	✓		
Clean cuvettes	✓		
Calculate FCC( if necessary )		✓	
Check photometric stability (min. 10 samples)	✓		
Check reproducibility (min. 10 samples with known concentration of bichromatic)	✓		

DATE: 29/03/23

DATE FOR THE NEXT PREVENTIVE MAINTENANCE /  
CALIBRATION DATE:: 28/03/24

SIGNATURE: \_\_\_\_\_

*psuelip*



TV... 25261



TULIP DIAGNOSTICS (P). LTD. (INSTRUMENT DIVISION)

BAMBOLIM, ST-INEZ & VERNA - GOA

**Service Report**

Name & Address of Customer: The lab plus A-2, 001/002 Prabhakar CHS LTD, station rd, sector. 4 shanti nagar, missa road MO : 86551 80008	Instrument Model		BT 1500			
	Serial Number		47194956			
	Instrument Status		P-R			
	Service Charge applicable		Yes <del>NO</del> NO			
	Type of Visit		Routine Visit	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
		Breakdown Visit	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Complaint recd. On Date:	Nature of Complaint:		Instrument connected to:			
Attended On Date: Time: 29/03/23	Preventive maintenance.		Online UPS Yes/No Offline UPS Yes/No			
Completed On: Time:			Supply Input to machine from UPS LN: J21 NE: Q LE: J21			
			Supply input to UPS from mains LN: NE: LE:			

Findings: Preventive maintenance.

Action Taken: clean the dust from inner and outer side, give cleaning in cuvette, check alignment of probe, run the control, clean the washing piston, clean the cuvette from inner side, check gain, currently instrument is working fine.

Spare Parts Replaced:

Sr. No.	Spare	FOC/Chargeable	Qty	Rate	Taxes	Amount
Spare Total Amount						
Service Charges						
Total Amount						

The above machine is satisfactory serviced and is working to my satisfaction.

Customer Remarks:

*[Signature]*  
29/03/23

Name of Department Head:  
Signature & Stamp  
Date:

*[Signature]*  
Company's Sales & Service Engineer:  
Signature  
Date: 29/03/23

Corporate Office: Gitanjali, Tulip Block, Dr. Antonio Do Rego Bagh, Alto Santacruz, Bambolim P.O. Goa. Pin: 403 202.  
Tel: 0832-2458546/51, Fax: 0832-2458544, E-mail: sales@tulipgroup.com, Website: www.tulipgroup.com



Auto Diagnostic

Automatic Diagnostic

Washing piston valve  Passed

Arm liquid sensor  Passed

Diluter valve, peristaltic pump and needle  Checking in progress

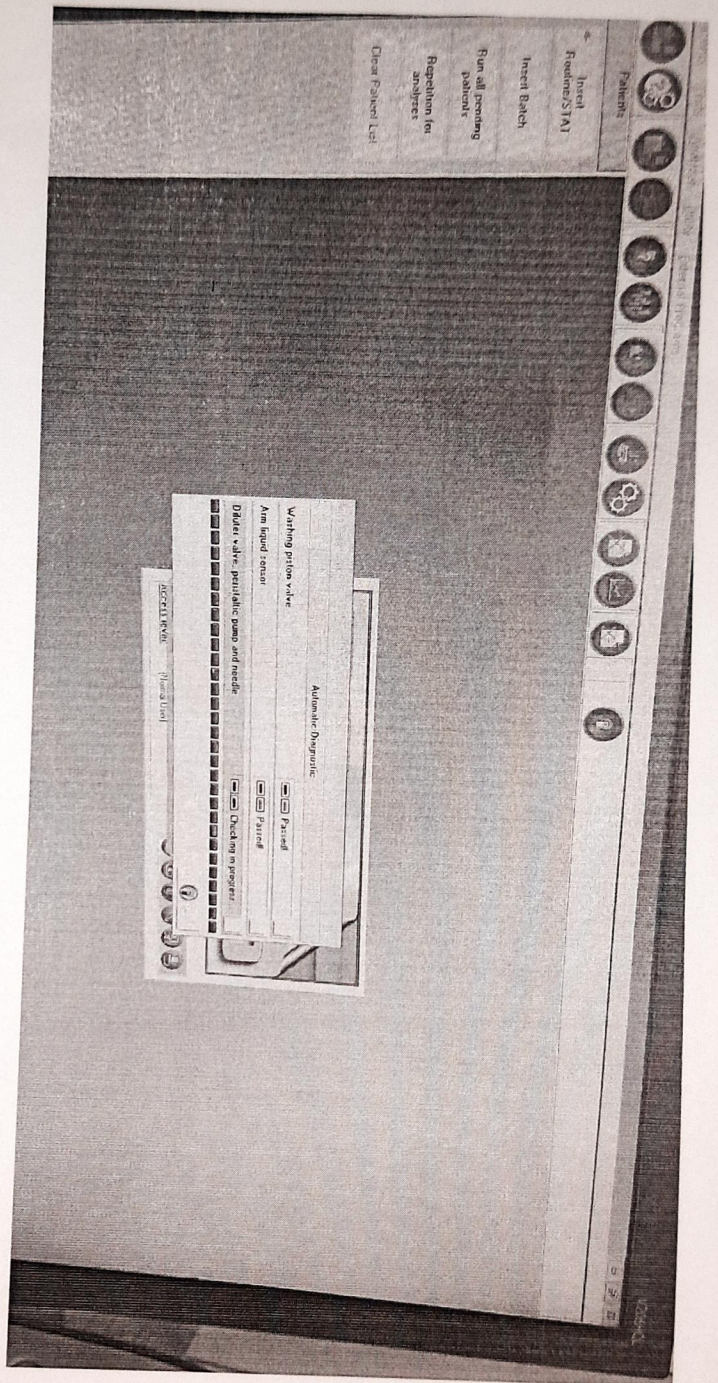
Access level: Normal User

Performed by :

*Passed*  
29/03/23

29/03/13  
D. Smith

Performed by:



Standardization for ALP performed!

New Factor = 3497

Standardization for GOT1 performed!

New Factor = 1735

Standardization for URE1 performed!

New Factor = 409

Standardization for UACL performed!

New Factor = 40.1

Standardization for CRE1 performed!

New Factor = 54.2

Standardization for CAL1 performed!

New Factor = 56.6

Standardization for GLU1 performed!

New Factor = 331

Standardization for PHO1 performed!

New Factor = 21.2

Standardization for BID1 performed!

New Factor = 18.1

Standardization for HDL1 performed!

New Factor = 247

Standardization for BIT1 performed!

New Factor = 71.8

№ #1 STD008 (Standard) (29-03-2023 19:35)

Z	<CHOD/PAP>	168	mg/dl (	0.171)
TGEL	<GPO/PAP>	162	mg/dl (	0.129)
ALP	<amp;/ifcc>	325	U/L (	0.093)
GOT1	<Mod.IFCC>	107	U/L (	0.062)
URE1	<GLDH Kinetic>	195	mg/dl (	0.497)
UACL	<Uricase/PAP>	6.58	mg/dl (	0.164)
CRE1	<mod. Jaffe's Kinetic>	3.56	mg/dl (	0.066)
CAL1	<Arsenazo III>	9.27	mg/dl (	0.164)
GLU1	<GOS/POD>	305	mg/dl (	0.619)
PHO1	<Molybdate U.V.>	5.82	mg/dl (	0.274)
BIT1	<DICHORO>	1.88	mg/dl (	0.104)
HDL1	<direct enzymatic>	47.0	mg/dl (	0.190)
BIT1	<DCA>	5.83	mg/dl (	0.074)
TP1	<Buret>	6.19	g/dl (	0.143)

Standardization for TP1 performed!

New Factor = 14.8



Patients  
Tests  
Analyzer

Analyzer utilities  
Mechanical  
Calibrations

Utility  
External Programs

### Standard parameters for ALP

Factor: 3497      Range limit: Minimum 1.00      Maximum 50000      Calculation

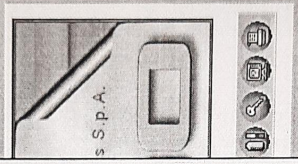
Number of samples: 1      Max.Var. (%): 100       Timed re-run

N. replicates: 1      Reagent ABS      Last Standardization: 29.03.2023 19:43

Number	1
Pos.	1
Conc.	325
ABS	0.083

100 % from last calibration

View used positions       Enable Auto Adjust      Linear      Save      Print      Cancel



Standard parameters for URE1

Factor: 409    Range link: Minimum: 1.00    Maximum: 10000    Calculation

Number of samples: 1    Max Val (%): 100     Timed return

1    N replicates

212    Reagent ABS    Last Standardization: 29-03-2023 19:44:11

Number: 1  
Pos: 189  
Conc: 0.487

100    % from last calibration

Enable Auto Adjust    View used positions    Linear    Save    Print    Cancel

Test Parameters Standard: A

Print Cont

Print parameters

ALB1     CAL1     CH01

ALP     CK01     CK01

ALP1     CK01     CK01

AMY1     CK01     CK01

AS0     CK01     CK01

AS01     CK01     CK01

AS02     CK01     CK01

BID1     CK01     CK01

BIT1     CK01     CK01

Functions    New Code    Clear

Patients

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Analyzer utilities

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Calibrations:

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External Programs

Standard parameters for UAC1

Factor: 40.11    Range limit: Minimum 1.00    Maximum 10000    Calculation

Number of samples: 1    Max Vol (%): 100    Timed re-run:

Reagent ABS: 0.014    Least Standardization: 29-03-2023 19:44:21

Number	1
Pos.	1
Conc.	6.58
ABS	0.164

100 % from last calibration

View used positions    Linear    Print    Save    Cancel

Enable Auto Adjust

Test Parameters: Standardizing A

Print Cont

Print parameters

ALB1     CAL1  
 ALP     CH01  
 ALPI     CKB1  
 AMY1     CKNT  
 AS0     CL01  
 AS01     CRE1  
 AS02     CRP1  
 BID1     CRFV  
 BIT1     DIM1

Functions    New Code    Clear C



Patients

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### Standard parameters for CAL1

Factor: 96.8

Range limit  
Minimum: 1.00  
Maximum: 10000

Number of samples: 100  
Max Var. (%): 100

Timed re-run

Number of replicates: 1

Reagent ABS: 0.331

Last Standardization: 29-03-2023 19:45:12

Number	1
Pos.	9.27
Conc.	0.164
ABS	

100 % from last calibration

Enable Auto Adjust

View used positions

Linear

Print

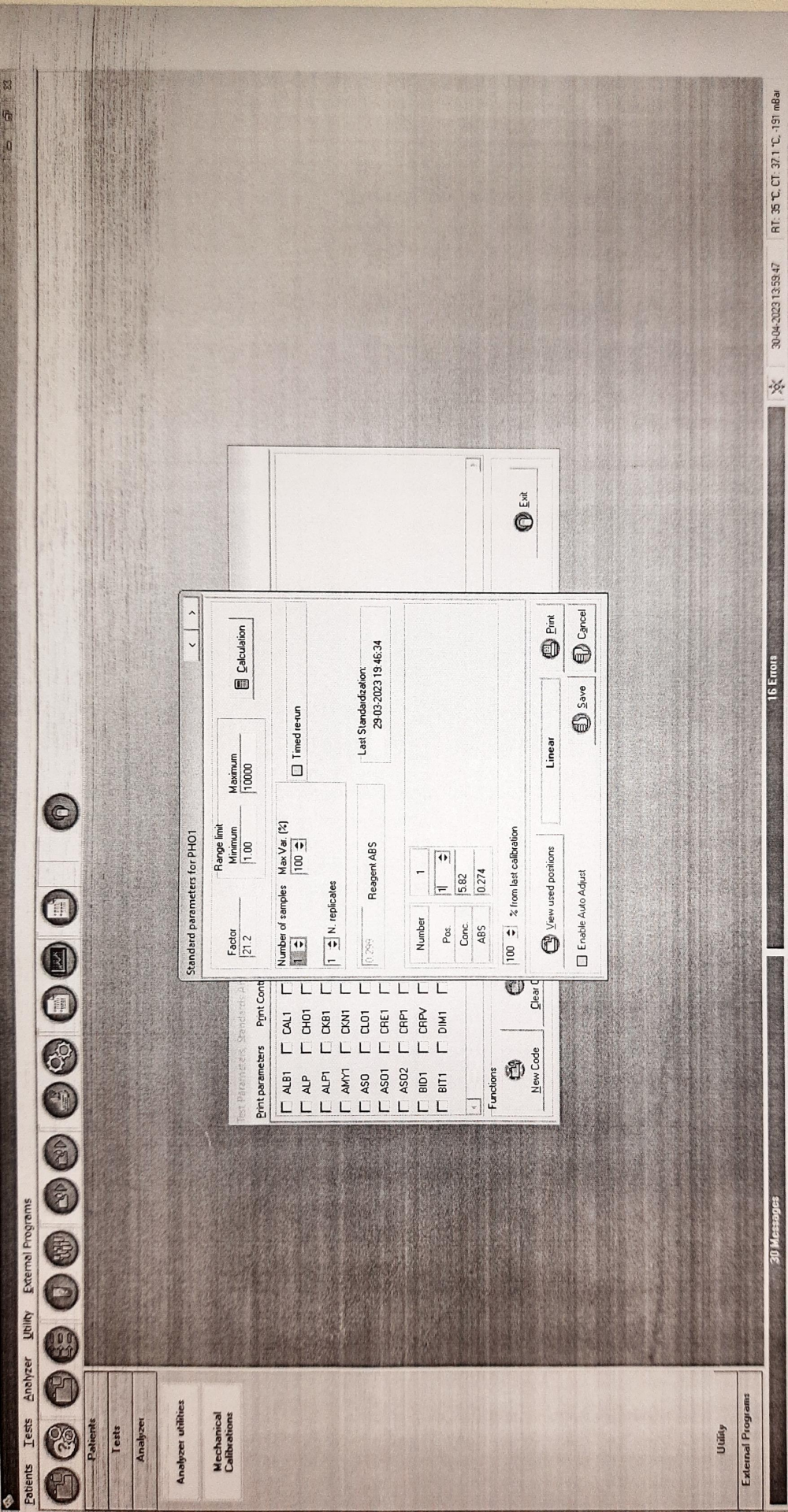
Save

Cancel

Print parameters

<input type="checkbox"/> ALB1	<input checked="" type="checkbox"/> CAL1	<input type="checkbox"/> CH01	<input type="checkbox"/> CK01	<input type="checkbox"/> CK02	<input type="checkbox"/> CK03	<input type="checkbox"/> CK04	<input type="checkbox"/> CK05	<input type="checkbox"/> CK06	<input type="checkbox"/> CK07	<input type="checkbox"/> CK08	<input type="checkbox"/> CK09	<input type="checkbox"/> CK10	<input type="checkbox"/> CK11	<input type="checkbox"/> CK12	<input type="checkbox"/> CK13	<input type="checkbox"/> CK14	<input type="checkbox"/> CK15	<input type="checkbox"/> CK16	<input type="checkbox"/> CK17	<input type="checkbox"/> CK18	<input type="checkbox"/> CK19	<input type="checkbox"/> CK20	<input type="checkbox"/> CK21	<input type="checkbox"/> CK22	<input type="checkbox"/> CK23	<input type="checkbox"/> CK24	<input type="checkbox"/> CK25	<input type="checkbox"/> CK26	<input type="checkbox"/> CK27	<input type="checkbox"/> CK28	<input type="checkbox"/> CK29	<input type="checkbox"/> CK30	<input type="checkbox"/> CK31	<input type="checkbox"/> CK32	<input type="checkbox"/> CK33	<input type="checkbox"/> CK34	<input type="checkbox"/> CK35	<input type="checkbox"/> CK36	<input type="checkbox"/> CK37	<input type="checkbox"/> CK38	<input type="checkbox"/> CK39	<input type="checkbox"/> CK40	<input type="checkbox"/> CK41	<input type="checkbox"/> CK42	<input type="checkbox"/> CK43	<input type="checkbox"/> CK44	<input type="checkbox"/> CK45	<input type="checkbox"/> CK46	<input type="checkbox"/> CK47	<input type="checkbox"/> CK48	<input type="checkbox"/> CK49	<input type="checkbox"/> CK50	<input type="checkbox"/> CK51	<input type="checkbox"/> CK52	<input type="checkbox"/> CK53	<input type="checkbox"/> CK54	<input type="checkbox"/> CK55	<input type="checkbox"/> CK56	<input type="checkbox"/> CK57	<input type="checkbox"/> CK58	<input type="checkbox"/> CK59	<input type="checkbox"/> CK60	<input type="checkbox"/> CK61	<input type="checkbox"/> CK62	<input type="checkbox"/> CK63	<input type="checkbox"/> CK64	<input type="checkbox"/> CK65	<input type="checkbox"/> CK66	<input type="checkbox"/> CK67	<input type="checkbox"/> CK68	<input type="checkbox"/> CK69	<input type="checkbox"/> CK70	<input type="checkbox"/> CK71	<input type="checkbox"/> CK72	<input type="checkbox"/> CK73	<input type="checkbox"/> CK74	<input type="checkbox"/> CK75	<input type="checkbox"/> CK76	<input type="checkbox"/> CK77	<input type="checkbox"/> CK78	<input type="checkbox"/> CK79	<input type="checkbox"/> CK80	<input type="checkbox"/> CK81	<input type="checkbox"/> CK82	<input type="checkbox"/> CK83	<input type="checkbox"/> CK84	<input type="checkbox"/> CK85	<input type="checkbox"/> CK86	<input type="checkbox"/> CK87	<input type="checkbox"/> CK88	<input type="checkbox"/> CK89	<input type="checkbox"/> CK90	<input type="checkbox"/> CK91	<input type="checkbox"/> CK92	<input type="checkbox"/> CK93	<input type="checkbox"/> CK94	<input type="checkbox"/> CK95	<input type="checkbox"/> CK96	<input type="checkbox"/> CK97	<input type="checkbox"/> CK98	<input type="checkbox"/> CK99	<input type="checkbox"/> CK100
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Standard parameters for PHO1

Factor 21.2

Range limit  
Minimum 1.00  
Maximum 10000



Number of samples 1  
Max Var [%] 100



N. replicates 1

Reagent ABS 0.294  
Last Standardization: 29-03-2023 19:46:34

Number 1  
Pos. 1  
Conc. 5.82  
ABS 0.274

100 % from last calibration



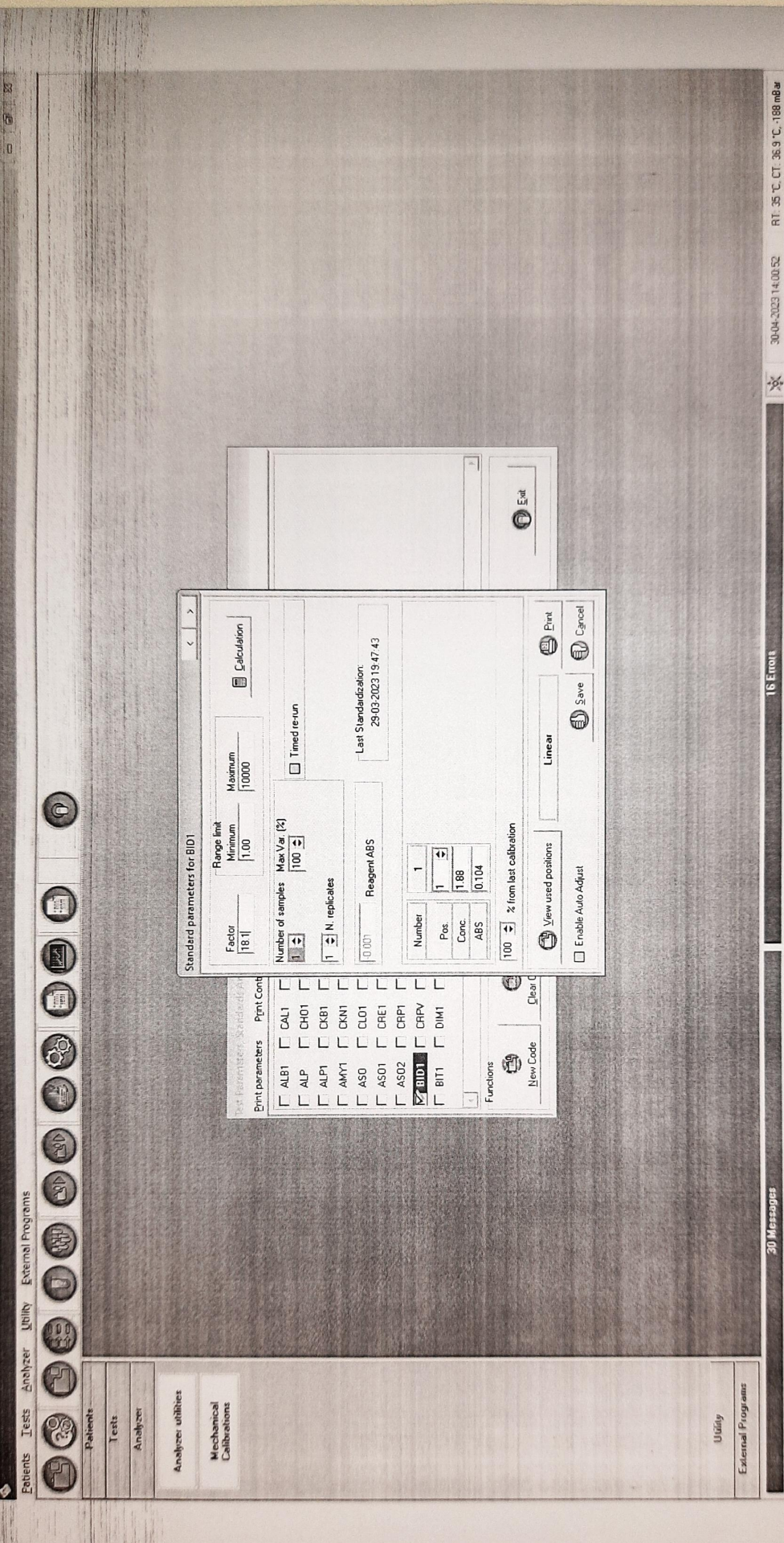
Print parameters Standards print

Print parameters	Print Cont
<input type="checkbox"/> ALB1	<input type="checkbox"/> CAL1
<input type="checkbox"/> ALP	<input type="checkbox"/> CH01
<input type="checkbox"/> ALP1	<input type="checkbox"/> CKB1
<input type="checkbox"/> AMY1	<input type="checkbox"/> CKM1
<input type="checkbox"/> AS0	<input type="checkbox"/> CL01
<input type="checkbox"/> AS01	<input type="checkbox"/> CRE1
<input type="checkbox"/> AS02	<input type="checkbox"/> CRP1
<input type="checkbox"/> BID1	<input type="checkbox"/> CRPV
<input type="checkbox"/> BIT1	<input type="checkbox"/> DIM1

Functions

New Code





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### Standard parameters for BID1

Factor

18.1

Range limit

Minimum

1.00

Maximum

10000

Calculation

Number of samples

1

Max Var (%)

100

Timed re-run

1

N replicates

0.001

Reagent ABS

Last Standardization:

29-03-2023 19:47:43

Number

1

Pos

1.88

Conc

0.104

ABS

100 % from last calibration

Functions

New Code

Clear C

Linear

Print

Enable Auto Adjust

Save

Cancel



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### Standard parameters for HDL1

Factor: 247      Range limit: Minimum 1.00      Maximum 1000      Calculation

Number of samples: 1      Max Var. (%): 100       Timed (t-run)

1      N. replicates

10011      Reagent ABS      Last Standardization: 29-03-2023 19:50:33

Number	1
Pos.	11
Conc.	47.0
ABS	0.190

100      % from last calibration

Enable Auto Adjust       Linear      Print      Cancel

Test Parameters, Standards, An...

Print parameters      Print Cont

<input type="checkbox"/>	ALB1	<input type="checkbox"/>	CAL1
<input type="checkbox"/>	ALP	<input type="checkbox"/>	CHO1
<input type="checkbox"/>	ALP1	<input type="checkbox"/>	CKB1
<input type="checkbox"/>	AMY1	<input type="checkbox"/>	CKN1
<input type="checkbox"/>	AS0	<input type="checkbox"/>	CL01
<input type="checkbox"/>	AS01	<input type="checkbox"/>	CRE1
<input type="checkbox"/>	AS02	<input type="checkbox"/>	CRP1
<input type="checkbox"/>	BID1	<input type="checkbox"/>	CRPV
<input type="checkbox"/>	BIT1	<input type="checkbox"/>	DIH1

Functions      New Code      Clear C

Patients

Tests

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Analyzer utilities

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### Standard parameters for BITI

Factor: 71.8      Range limit: Minimum: 1.00      Maximum: 10000      Calculation

Number of samples: 1      Max Var (%): 100       Timed re-run

N. replicates: 1      Reagent: ABS      Last Standardization: 29.03.2023 19:52:13

Number	1
Pos.	5.33
Conc.	0.074
ABS	

100 % from last calibration

Enable Auto Adjust       Linear      Save      Print      Cancel

Set Parameters, Standards: All

Print parameters      Print Cont

- ALB1
- CAL1
- ALP
- CH01
- ALP1
- CKB1
- AMY1
- CKN1
- ASO
- CL01
- ASO1
- CRE1
- ASO2
- CRP1
- BID1
- BITI
- CRP4
- DIM1

Functions      New Code      Clear

#11 CTRL001 &lt;1554UN&gt; (29-03-2023 21:15)

CHO2	<CHOD/PAP>	142	mg/dl	(	0.151)	136 - 178	[ ]
TGL1	<GPO/PAP>	98.2	mg/dl	(	0.098)	81.2 - 112	[ ]
ALP	<amp;fifcc>	168	U/L	(	0.026)	154 - 210	[ ]
GOT1	<Mod.IFCC>	34.6	U/L	(	0.028)	27 - 41	[ ]
GPT1	<Mod.IFCC>	37.1	U/L	(	0.033)	29 - 43	[~]
CRE1	<mod.Jaffe's Kinetic>	1.18	mg/ dl	(	0.028)	1.15 - 1.75	[ ]
URE1	<GLDH Kinetic>	38.5	mg/dl	(	0.094)	36.8 - 49.8	[-]
UAC1	<Uricase/PAP>	5.15	mg/dl	(	0.165)	5.09 - 6.61	[ ]
CAL1	<Arsenazo 111>	8.12	mg/dl	(	0.134)	7.98 - 9.74	[ ]
GLU1	<GOD/POD>	98.46	mg/dl	(	0.297)	96.6 - 130	[ ]
PHO1	<Molybdate U.V.>	4.12	mg/dl	(	0.175)	3.88 - 5.24	[ ]
BID1	<DICHLORO>	1.44	mg/dl	(	0.046)	0.94 - 1.45	[ ]
ALB1	<BCG>	4.45	g/dl	(	0.359)	3.55 - 4.81	[ ]
BIT1	<DCA>	1.45	mg/dl	(	0.015)	1.27 - 1.95	[ ]
TP1	<Biuret>	5.13	g/dl	(	0.337)	4.63 - 6.93	[ ]

PERFORMED BY : MANGESH

CHECKED BY : PRIYANICA PATIL

Results

Info Flags

#1 9290323040 (29-03-2023 14:41)						
GLU1	<GOD/POD>	125	mg/dl (	0.356)	70.0 - 110	[+]
#2 8290323040 (29-03-2023 14:42)						
GLU1	<GOD/POD>	125	mg/dl (	0.356)	70.0 - 110	[+]
#3 3040 (29-03-2023 14:44)						
GLU1	<GOD/POD>	124	mg/dl (	0.356)	70.0 - 110	[+]
#4 3040 S (29-03-2023 14:44)						
GLU1	<GOD/POD>	124	mg/dl (	0.354)	70.0 - 110	[+]
#5 1 (29-03-2023 14:44)						
GLU1	<GOD/POD>	127	mg/dl (	0.363)	70.0 - 110	[+]
#6 2 (29-03-2023 14:45)						
GLU1	<GOD/POD>	125	mg/dl (	0.356)	70.0 - 110	[+]
#7 3 (29-03-2023 14:45)						
GLU1	<GOD/POD>	125	mg/dl (	0.357)	70.0 - 110	[+]
#8 4 (29-03-2023 14:45)						
GLU1	<GOD/POD>	125	mg/dl (	0.356)	70.0 - 110	[+]
#9 9 (29-03-2023 14:45)						
GLU1	<GOD/POD>	126	mg/dl (	0.359)	70.0 - 110	[+]
#10 8 (29-03-2023 14:46)						
GLU1	<GOD/POD>	124	mg/dl (	0.353)	70.0 - 110	[+]

lv



31 more

acer

Performed by: *Pouelle*  
29/03/23

TEST NAME	RESULT VALUE
GLUCOSE	125
GLUCOSE	125
GLUCOSE	124
GLUCOSE	124
GLUCOSE	127
GLUCOSE	125
GLUCOSE	125
GLUCOSE	125
GLUCOSE	126
GLUCOSE	124
<b>MEAN</b>	<b>125</b>
<b>SD</b>	<b>0.9</b>
<b>CV</b>	<b>0.8</b>

Performed by : Pradip Kalsurthy *Pradip*

Approved by : Jy Gopal *Jy Gopal*