



CALIBRATION CERTIFICATE

We here by certify that the fully automated chemistry analyzer Beckman Coulter AU480 has been installed by us and Calibrated. It has passed all the following quality checks.

Instrument serial number : 2021044077
Installed at : Micro Health Laboratories
(Endodiab - Centre for excellence in Endocrinology & Diabetes)

Last Calibration done on : 08-12-2023
Next Calibration Due on : 07-12-2024

Quality Checks - Passed

- . Reagent and sample aspiration system
- . Reagent Tray & STAT Table Refrigeration
- . Cuvette Wheel Incubation
- . Lamp & Optical Unit
- . Water supply and Tubing system
- . Calibration of Probes, Rack, Track & Carousel Movements.
- . Reagent and Sample Position Identification
- . Water test and QC checks.
- . Calibration of all test parameters
- . QC run for all test parameters

We here by confirm that AU480 has passed all the above quality checks and is working in good condition.

Yours Sincerely,

For Beckman Coulter India PVT LTD

Vishnu Muraleedharan
Field Service Engineer

Beckman Coulter India Pvt. Ltd.

Registered office : Unit No. TF-B-07(A) to 15. Third floor, B wing, Art Guild House, Phoenix Market city, LBS road, Kurla (West), Mumbai 400 070. Tel : +91 22 3080 5000, Fax : +91 22 3080 5060
CIN U33119MH2005PTC157177 www.beckmancoulter.com



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Photometric check:

Requirement : All O.Ds should be less than 1.4

Wavelength	Optical Density	Result
340	1.0456	OK
380	0.9654	OK
410	0.8635	OK
450	0.8134	OK
480	0.7424	OK
520	0.7765	OK
540	0.7846	OK
570	0.7363	OK
600	0.7123	OK
660	0.6988	OK
700	0.6823	OK
750	0.6623	OK
800	0.7143	OK

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Pipetting Check

Requirement : The %C.V should be less than 3%

Precision Check Status-Passed.

Test	Number	Mean	SD	CV	Range	Max	Min
Glu	20	246	1.45	0.59	4	248	244
ALT	20	63.9	0.64	1.0	3	65	62

Incubation Temperature

Range: 37C +0.5

On display the temperature is 37.0 stable.

We hereby confirm that Beckman Coulter AU480 has been successfully calibrated and passed all the above quality checks and is working in good condition.

For Beckman Coulter India PVT Ltd

Vishnu Muraleedharan
Field Service Engineer

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Calibration

Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name



Type

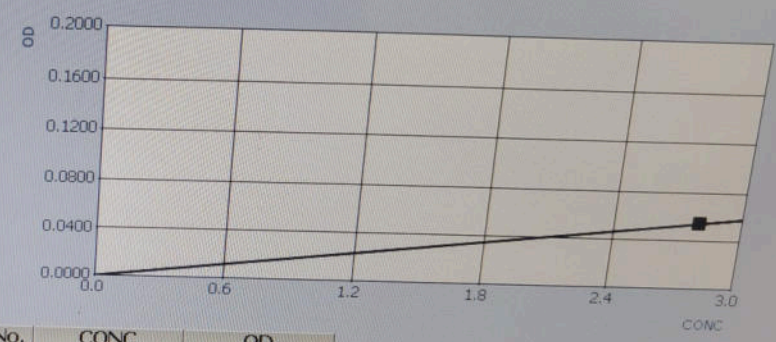
Date/Time

Passed

Reagent Lot No. Bottle No.

R1(R1-1)

R2(R2-1)



Cal Expiration Date

Reagent Blank

Cal Type

Measure Type

Formula

Factor

A = 5.1329E001

B = 0.0000E000

	Cal No.	CONC	OD
1	1	2.8	0.0546

Comment



Calibration

Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name

13.AST



Type

Serum

Date/Time

03/28/2024 16:58

Passed

Reagent

Lot No.

Bottle No.

R1(R1-1)

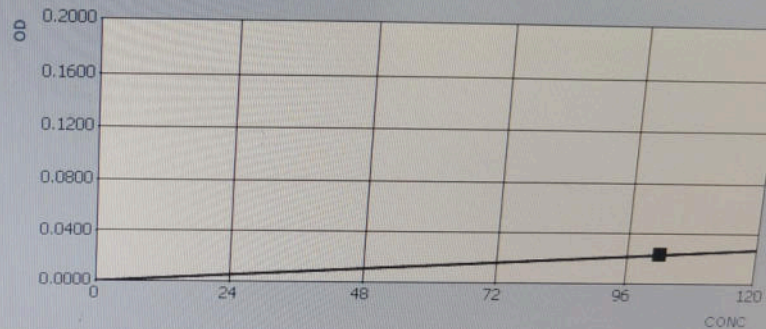
2555

4002

R2(R2-1)

2555

3905



Cal Expiration Date

Reagent Blank

03/28/2024 16:52

Cal Type

AB

Measure Type

Rack

Formula

Y=AX+B

Factor

A = 4.3717E003

B = 0.0000E000

	Cal No.	CONC	OD
1	1	102	0.0233

Comment

Lot to Lot Calibration

RB/CAL Selection

Data Select

Recalculation

Comment

Graph Scale

Print



Calibration

Calibration Monitor

16:28

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name



Type

Date/Time

Passed

Reagent

Lot No.

Bottle No.

R1(R1-1)

R2(R2-1)

Cal Expiration Date

Reagent Blank

Cal Type

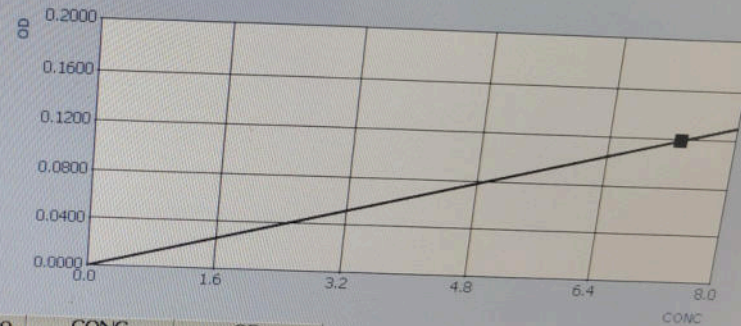
Measure Type

Formula

Factor

A = 6.1317E001

B = 0.0000E000



	Cal No.	CONC	OD
1	1	7.3	0.1191

Comment

Lot to Lot Calibration

RB/CAL Selection

Data Select

Recalculation

Comment

Graph Scale

Print



Calibration

Calibration Monitor

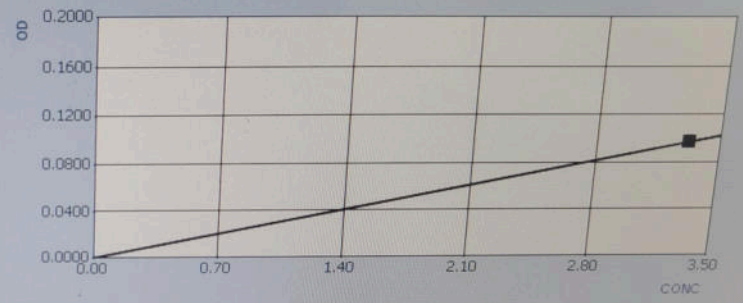
- Status
- RB History
- RB Detail
- Calibration History
- Calibration Detail

Test Name: 10.TBILC Type: Serum

Date/Time: 03/28/2024 16:57 Passed

Reagent Lot No. Bottle No.
R1(R1-1)
R2(R2-1)

Cal Expiration Date:
Reagent Blank: 03/28/2024 16:51
Cal Type: AB
Measure Type: Rack
Formula: Y=AX+B
Factor:
A = 3.4261E001
B = 0.0000E000



	Cal No.	CONC	OD
1	1	3.32	0.0969

Comment:

- Lot to Lot Calibration
- RB/CAL Selection
- Data Select
- Recalculation
- Comment
- Graph Scale
- Print



Calibration

Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name 23.PHOS

Date/Time 03/28/2024 17:00

Type Serum

Passed

Reagent Lot No. Bottle No.
R1(R1-1)
R2(R2-1)

Cal Expiration Date 12/22/2026 17:00

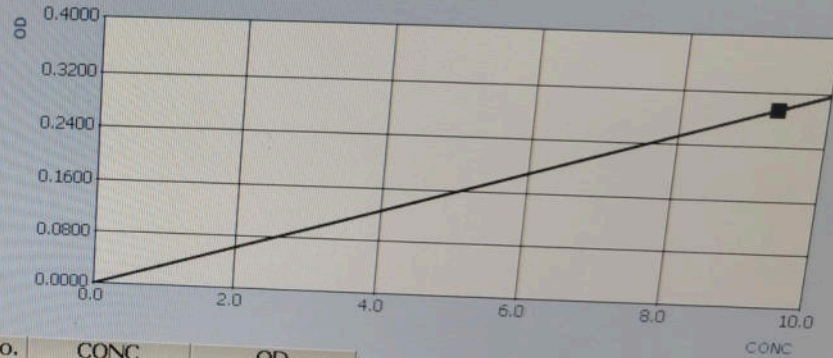
Reagent Blank 03/28/2024 16:54

Cal Type AB

Measure Type Rack

Formula Y=AX+B

Factor
A = 3.1592E001
B = 0.0000E000

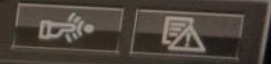


	Cal No.	CONC	OD
1	1	9.3	0.2944

Comment

Lot to Lot Calibration RB/CAL Selection Data Select Recalculation

Comment Graph Scale Print



Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name



Type

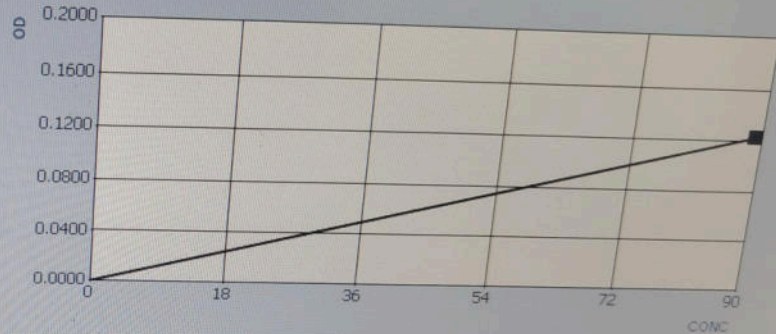
Date/Time

Passed

Reagent Lot No. Bottle No.

R1(R1-1)

R2(R2-1)



Cal Expiration Date

Reagent Blank

Cal Type

Measure Type

Formula

Factor
 A = 7.2438E002
 B = 0.0000E000

	Cal No.	CONC	OD
1	1	89	0.1229

Comment

Lot to Lot Calibration
 RB/CAL Selection
 Data Select
 Recalculation
 Comment
 Graph Scale
 Print



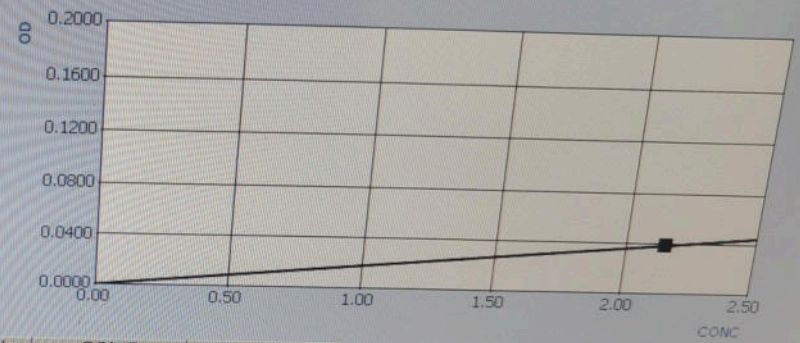
- Status
- RB History
- RB Detail
- Calibration History
- Calibration Detail

Test Name: 7.CREZ Type: Serum

Date/Time: 03/28/2024 16:56 Passed

Reagent	Lot No.	Bottle No.
R1(R1-1)	2530	8459
R2(R2-1)	2530	8493

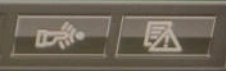
Cal Expiration Date: 12/22/2026 16:56
Reagent Blank: 03/28/2024 16:50
Cal Type: AB
Measure Type: Rack
Formula: Y=AX+B
Factor:
A = 5.5196E001
B = 0.0000E000



Cal No.	CONC	OD
1	2.15	0.0390

Comment

- Lot to Lot Calibration
- RB/CAL Selection
- Data Select
- Recalculation
- Comment
- Graph Scale
- Print



Calibration

Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name

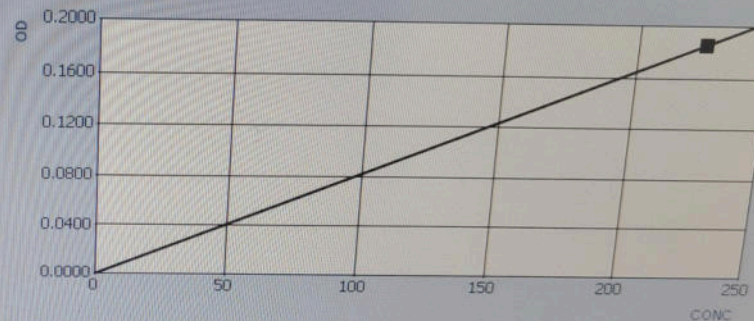


Type

Date/Time

Passed

Reagent Lot No. Bottle No.
R1(R1-1) 2620 4335
R2(R2-1) 2620 4437



Cal Expiration Date
Reagent Blank
Cal Type
Measure Type
Formula
Factor
A = 1.2136E003
B = 0.0000E000

	Cal No.	CONC	OD
1	1	225	0.1854

Comment

Lot to Lot Calibration RB/CAL Selection Data Select Recalculation Comment Graph Scale Print



Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name



Type

Date/Time

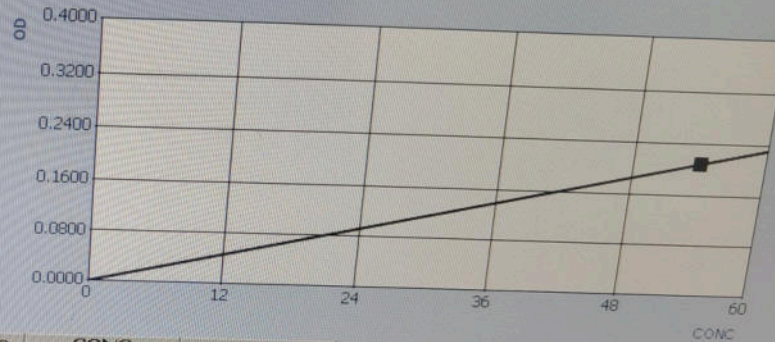
Reagent

Lot No.

Bottle No.

R1(R1-1)

R2(R2-1)



Cal Expiration Date

Reagent Blank

Cal Type

Measure Type

Formula

Factor

A = 2.5853E002

B = 0.0000E000

	Cal No.	CONC	OD
1	2	54	0.2089

Comment

Lot to Lot Calibration

RB/CAL Selection

Data Select

Recalculation

Comment

Graph Scale

Print





STANDBY



Calibration

Calibration Monitor

- Status
- RB History
- RB Detail
- Calibration History
- Calibration Detail

Test Name: 16.TP



Type: Serum

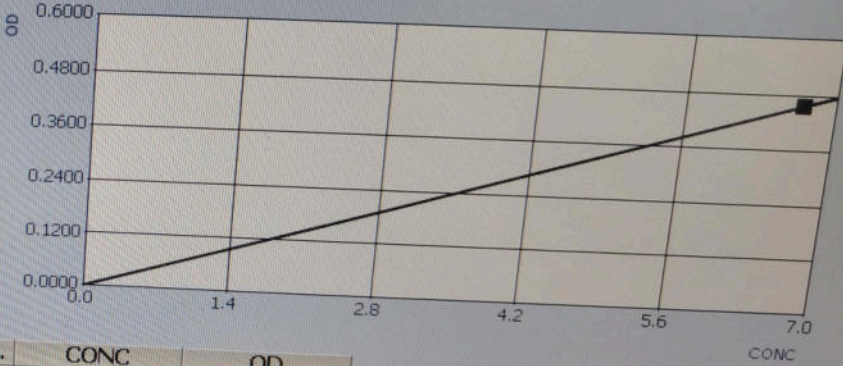
Date/Time: 02/23/2024 11:18

Passed

Reagent Lot No. Bottle No.

R1(R1-1)

R2(R2-1)



Cal Expiration Date:

Reagent Blank: 02/23/2024 11:17

Cal Type: AB

Measure Type: Rack

Formula: Y=AX+B

Factor:
 A = 1.4657E001
 B = 0.0000E000

	Cal No.	CONC	OD
1	1	6.7	0.4571

Comment:

Lot to Lot Calibration

RB/CAL Selection

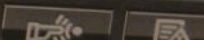
Data Select

Recalculation

Comment

Graph Scale

Print



Calibration

Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name

2.CHOL



Type

Serum

Date/Time

04/02/2024 07:58

Passed

Reagent

Lot No.

Bottle No.

R1(R1-1)

2576

0967

R2(R2-1)

Cal Expiration Date

Reagent Blank

12/20/2023 16:15

Cal Type

AB

Measure Type

Rack

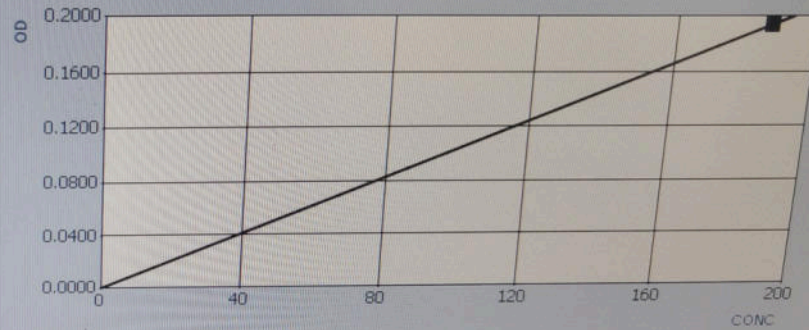
Formula

Y=AX+B

Factor

A = 9.6441E002

B = 0.0000E000



	Cal No.	CONC	OD
1	1	187	0.1939

Comment

Lot to Lot
Calibration

RB/CAL
Selection

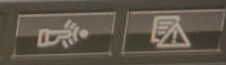
Data Select

Recalculation

Comment

Graph Scale

Print



Calibration

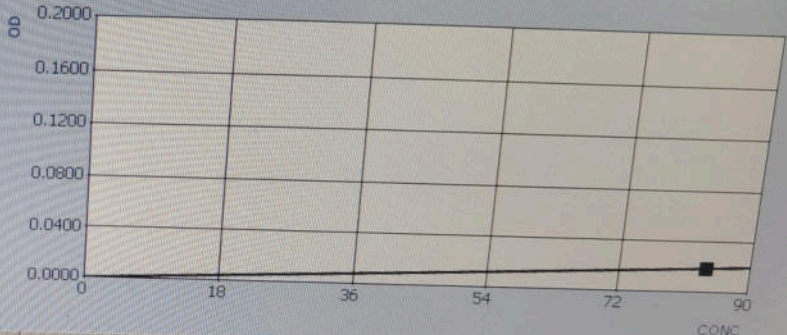
Calibration Monitor

- Status
- RB History
- RB Detail
- Calibration History
- Calibration Detail

Test Name: 14.ALT Type: Serum

Date/Time: 03/28/2024 16:58 Passed

Reagent	Lot No.	Bottle No.
R1(R1-1)	2597	1485
R2(R2-1)	2597	1431



Cal Expiration Date:

Reagent Blank: 03/28/2024 16:52

Cal Type: AB

Measure Type: Rack

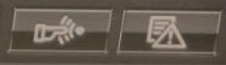
Formula: Y=AX+B

Factor:
 A = 4.4130E003
 B = 0.0000E000

Cal No.	CONC	OD
1	84	0.0190

Comment:

- Lot to Lot Calibration
- RB/CAL Selection
- Data Select
- Recalculation
- Comment
- Graph Scale
- Print



Calibration **Calibration Monitor**

Status RB History RB Detail Calibration History Calibration Detail

Test Name: 15.ALP04 Type: Serum

Date/Time: 09/20/2023 18:22 Passed

Reagent Lot No. Bottle No.

R1(R1-1)

R2(R2-1)

Cal Expiration Date:

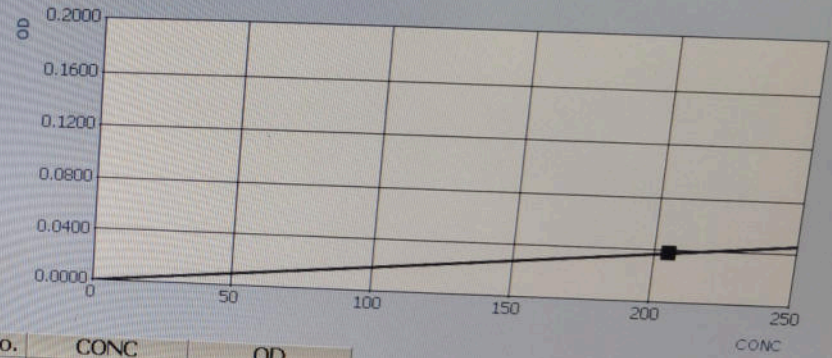
Reagent Blank: 09/20/2023 18:18

Cal Type: AB

Measure Type: Rack

Formula: Y=AX+B

Factor: A = 5.4071E003
B = 0.0000E000



Cal No.	CONC	OD
1	205	0.0379

Comment:

Lot to Lot Calibration
 RB/CAL Selection
 Data Select
 Recalculation
 Comment
 Graph Scale
 Print



STANDBY



04/20/2024

16:28

Calibration

Calibration Monitor

Status

RB History

RB Detail

Calibration History

Calibration Detail

Test Name

1, GLUC



Type

Serum

Date/Time

03/28/2024 17:51

Passed

Reagent

Lot No.

Bottle No.

R1(R1-1)

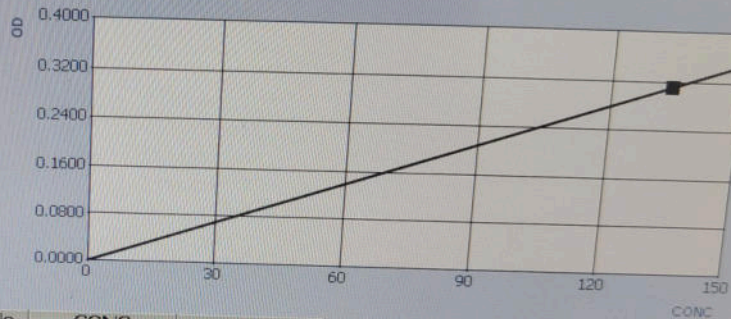
2633

D126

R2(R2-1)

2633

D089



Cal Expiration Date

12/22/2026 17:51

Reagent Blank

12/20/2023 16:15

Cal Type

AB

Measure Type

Rack

Formula

Y=AX+B

Factor

A = 4.3073E002

B = 0.0000E000

Cal No.	CONC	OD
1	134	0.3111

Comment

Lot to Lot Calibration

RB/CAL Selection

Data Select

Recalculation

Comment

Graph Scale

Print

