



Calibration/Performance Certificate

This is to certify that the AU 480 instrument with serial no 2014022998 installed at the Life Diagnostics, Gorakhpur.

Instrument is self-calibrating equipment. The calibration/performance was checked & passed without any error alarm.

The instrument performance was checked by performing all of QC & values found to be satisfactory. Equipment was also checked for reproducibility with serum.

It is hereby certified that quality of the instrument is checked & certified to be OK.

This calibration/Performance certificate issued is valid from Jan 15th 2024 to 14Janth 2025.

For Beckman Coulter India Pvt. Ltd.,

A handwritten signature in blue ink that reads 'Prateek Ranjan' with the date '15/1/24' written below it.

Prateek Ranjan

Area Service Engineer.



Calibration Verification Report

Client Name: LIFE DIAGNOSTICS, GORAKHPUR

Address: Betihata

Analyser Model : AU480

Serial Number : 2014022998

Date of Inspection: 15/01/2024

Valid Upto: 14/9/2024

Mechanical modules							Height	Alignment Jig
Centering							Cuvette	Light path
	Cuvette	Washwell	Rack	Stat	ISE	Reagent bottle		
FA	1 mm or more	0.5 mm or more	1mm or more	1mm or more	4mm or more		14 mm	
FB	0.5 mm							
FC	1mm/0.5 mm	1 mm					14 mm	
FD	0.5 mm or more	0.5 mm or more				1 mm or more	14.5 mm	
GA								

When within the standard mark the 'RESULT' cell with : 'V'

Prabir Ranjan
15/1/24

Calibration Verification Report

Pipetting Check:

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

Test name	No. of Replicates	Mean Value of the replicates	C.V (In %)	S.D	Remarks
RUN	4	4.460	2.29%	0.1023	OK
Urea	4	9.575	2.25%	0.2144	OK
FF&TP	4	62.18	1.50%	0.8524	OK

Incubation temperature:

Range: 37°C ± 0.5°C

On display, the temperature is 37.0 °C and is stable.

Appendix:

Measuring Instruments	Calibration Record	Validity
Digital multimeter	Calibrated	3 Dec 2024
Light path alignment jig	No calibration required	-
Measuring scale	No calibration required	-
Glass Measuring Flask	No calibration required	-

We hereby confirm that Beckman Coulter **AU480** has been successfully calibrated and passed all the above quality checks.

Prateek Ranjan
 Authorised Signatory 15/11/24



Calibration Verification Report

Electronic Modules									
Power supply Nomenclature	MEASURED VOLTAGE	TARGET	RANGE	MEASURED VOLTAGE	TARGET	RANGE	MEASURED VOLTAGE	TARGET	RANGE
PS1	5.1V	5V	+/- 0.5 v	14.97V	15V	+/- 0.5 v	-15.2V	-15V	+/- 0.5 V
PS2	5.1V	5V	+/- 0.5 v	14.96V	15V	+/- 0.5 v	-15.0V	-15V	+/- 0.5V
PS3	24.1V	24V	+/- 0.5						
PS4	23.95V	24 v	+/- 0.5 v						
PS5	14.98V	15V	+/- 0.5 v	-15.0V	-15V	+/- 0.5 v	12.05V	12V	+/- 0.5 v

Photometric Check:

Requirement: O.D. value at all the wavelengths should be less than 1.7 ABS units.

Wavelength (in nM)	Optical Density (In ABS Units)	Result
340	1.26	OK
380	1.07	OK
410	0.99	OK
450	0.93	OK
480	0.92	OK
520	0.97	OK
540	0.93	OK
570	0.91	OK
600	0.88	OK
660	0.87	OK
700	0.91	OK
750	0.90	OK
800	0.92	OK

Pranveer Singh
15/1/2024