

Calibration Verification Report

Client Name: Rajkumar Pathak and Imaging

Address: Kapil Complex Mulchand
Kaledeoji Rd. Haldwani Uttarakhand

Analyser Model : AU480

Serial Number : 2013092590

Date of Inspection: 01.09.2020

Valid Upto: 31.03.2021

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



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Electronic Modules									
Power supply Nomenclature	MEASURED VOLTAGE	TARGET	RANGE	MEASURED VOLTAGE	TARGET	RANGE	MEASURED VOLTAGE	TARGET	RANGE
PS1	4.9V	5V	+/- 0.5v	15.1V	15V	+/- 0.5v	15.1V	-15V	+/- 0.5V
PS2	4.9V	5V	+/- 0.5v	15.1V	15V	+/- 0.5v	15.1V	-15V	+/- 0.5V
PS3	23.8V	24V	+/- 0.5						
PS4	23.8V	24v	+/- 0.5v			+/- 0.5v	12.2V	12V	+/- 0.5v
PS5	15.1V	15V	+/- 0.5v	15.1V	-15V				

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	0.8794	Pass
380	0.7685	Pass
410	0.7516	Pass
450	0.7617	Pass
480	0.6458	Pass
520	0.6855	Pass
540	0.6560	Pass
570	0.6882	Pass
600	0.6991	Pass
660	0.6628	Pass
700	0.6642	Pass
750	0.6486	Pass
800	0.6263	Pass

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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
Alt	4	15.45	0.51	0.100	(C.V. < 3%)
Alt	4	16.96	1.93	0.322	(C.V. < 3%)
Creat	4	0.798	1.88	0.150	(C.V. < 3%)
Glucose	4	84.5	0.68	0.58	(C.V. < 3%)
K	4	4.68	1.08	0.050	(C.V. < 3%)
U	4	107.68	0.94	0.96	(C.V. < 3%)

Incubation temperature:

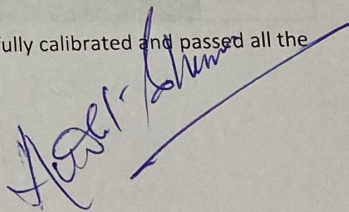
Range: 37°C ± 0.5°C - OK

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

Appendix:

Measuring Instruments	Calibration Record	Validity
Digital multimeter	Calibrated	31.3.2021
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.



Authorized Signatory