

CALIBRATION CERTIFICATE

INSTRUMENT NAME : *Fully Automated Biochemistry Analyzer*

MANUFACTURE NAME: Beckman Coulter

INSTRUMENT TYPE : AU480

INSTRUMENT SERIAL NUMBER : 2016070383

DATE OF CALIBRATION: 5th March 2020

NEXT DUE CALIBRATION ON: 4th March 2021



Date : 5th March 2020

Customer: Satav Pathology Lab,Pune.

AU480 Calibration report

Serial No: 2016070383

Department: **BIOCHEMISTRY**
Instrument calibration checklist

Unit	Inspection Item	Contents	Functionality Test
AA Overall Body	Air filter	Washed	Passed
	D.I. water filter	Washed	Passed
	Water tank	Washed	Passed
	wash water metal filter	Washed	Passed
	Vaccum pump diaphragm	Checked	Passed
	Detergent peristaltic tube	Replaced	Passed
	wash station inlet water tubing	Washed	Passed
	wash station drain tube	Washed	Passed
	Power supply & other parts & their voltages	Cleaned & Measured	Passed (voltages are within range)
CA,CB,CC,CD,C E,CH, Racktransfer	Barcode reader	Cleaned & Checked	Passed
	general cleaning of all sensors	Cleaned & Checked	Passed
	CA Belt tension	Checked	Passed
	CA stop position	Checked	Passed
	Rack feeder rail (CA)	Checked	Passed
	Total rack transfer check	Checked	Passed
DA & DC	Reagent & stat compartment temperature measurement	Cleaned & Measured	Passed (within 8to 12 Deg)
	Barcode reader window	Cleaned & Checked	Passed
FA & FD	Whole module	Checked	Passed
Sample & reagent probe	Belt tension	Checked	Passed
	FA & FD wash plot	Cleaned	Passed
	All stop position alignment	Checked	Passed
FB	All nozzles	Cleaned & Checked	Passed
Cuvette wash station	FB nozzel alignment	Checked	Passed
	Function	Checked & Primed	Passed
FC	Mixer bar	Cleaned & Checked	Passed
Mixer station alignment	Mixer wash plot Mixer station alignment	Cleaned & Checked	Passed
GA	All cuvettes	Checked	Passed
	Lamp	Checked	Passed
Incubator & Cuvette wheel	Coolant level	Checked	Passed
	Photocal	Performed	Passed
SA	Syringe	Checked	Passed
DPR	Computer data backup	Cleaned	Passed



1. All the mechanical adjustment & alignment are check & confirm using LED checker JIG provider by Beckman Coulter & the procedure as for the service manual.
2. All voltage are measure using an accurate digital multimeter.
3. The refrigeration & incubation temperature are measure using temperature control JIG provider by Beckman Coulter.
4. The functionality of the entire barcode, infrared, laser, reflective, magnetic, mechanical & optical sensors is checked & confirmed through the analyzer diagnostic menu provided in the software of the Beckman Coulter AU400.
5. All the pneumatic tubing's, & wash wells where body fluids are dispensed & passed is cleaned & washed with dilute sodium hypo chloride & deionised water.
6. All the water pneumatic tubing's are thoroughly washed & cleaned with dilute detergent & deionise water.
7. All the waste tubing's are thoroughly washed with concentrated sodium hypo chloride & deionised water.
8. The PH of the deionised water being used in the analyzer is measured & is reported to be NORMAL.

Inspection Engineer:-

Prashant Joshi

Prashant Joshi
Sr.Customer Support Engineer