



TOSOH INDIA PVT. LTD.

HLC-723GX CALIBRATION REPORT

Customer Name : Vijaya Diagnostic Centre
Customer Address : ISKRA Towers, 1st floor, Near Sunday Market, Pogathota, Nellore - 524 001
Installation Site : Vijaya Diagnostic Centre, Nellore
Installation Date : 05.08.2019 Instrument Model : TOSOH GX
Instrument Serial No. : 11398007 Firmware Version : 01.24
Calibration Date : 05.08.2019 Calibration Due Date : 04.08.2020
Sign of Check OK: V Replace: X Adjustment: A
Repair: ΔR Cleaning: C Grease Up: L

ANALYZER INFORMATION

Instrument : TOSOH GX
Instrument S/N : 11398007
Needle type Standard Side-hole
AUTO SAVE YES NO
Bar-code YES NO

MEASUREMENT CONDITIONS

SYSTEM Ver. No. 01.24
Sample Whole blood Centrifuged Mixed
FLOW 1.01 Z1-SMP: 3025
Y1-SMP 3640 Y1-CAL: 4280
SYR-IN31 11 SYR-IN7: 1319

ALARM SETTING

Paper-end, condition of printing Column oven temperature



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SAMPLING UNIT

- Rotor-seal (Injection valve)
- Arm (Injection valve, check if loosened or not)
- Rotor-seal (Rotary valve)
- Packing, check leak and worn or not (Syringe-R)
- Dilution port & needle wash block, clean or not
- Barcode reader, readable without error
- Turn table rotation sensor & sample sensor
- Actions of turn table sampling positions (1 & 10)
- Position Check for sample and calibrator aspiration
- Sample suction positions
- Stator-face (injection valve)
- Sample-loop (Injection valve)
- Round head screws at the coupling (Rotary valve)
- Actions of Z1 & Y1 axis and SY-R
- Leak from O-ring (P/N:017092)
- Door latch action & sensor
- Actions of turn table calibrator position
- Position of turn table home sensor
- Needle positions (at sampling, at dilution, at CAL)

Whole blood sample Aspiration check: 4 μ L

Diluted blood sample Aspiration check: 120 μ L

DETECTOR

Column oven Temperature: 250C

Allowed: +/- 2

Check noise at buffer changes

Baseline stability

Detector adjustment

Lamp Initial Intensity: 681

Lamp Current Intensity: 681

REF %: 100%

PUMP

- Check if the pump cam is not dirty
- Leak from plunger-seal
- Check if the diaphragm and plunger are not worn
- Actions & leak of check-valves (Uptake & Purge)
- Leak from drain-valve
- Suction & line filters clogging
- Pressure (MPa): with column 6.36 w/o column 0.30
- Vacuum condition
- Drain flush
- Valves actions

FLOW FACTOR: 1.5 ml/min

Measured flow: 1.5 ml/min

OTHERS

- Waste Pump Action
- Quality of printed letters
- Parameters settings
- AC voltage L-N: 230
- DC voltage 12 (12V)
- Check of USB Drive
- Clean up

N-E: 0
24 (24V)

L-E: 230
5 (5V)

