

Delhi Office:  
84, Lal Singh Building, 2nd Floor, 205-206, Near Aggarwal Sweets,  
Vasant Kunj Road, Manipalpur, New Delhi-110 037, INDIA.  
Tel.: (011) 46062637 / 38 39 Fax: (011) 46062640.  
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Tulip Diagnostics (P) Ltd.

### Instrument Calibration Report

Instrument Model: *Cosalyzer-200*

Date: *04/06/2020*

Serial No: *D372008*

Installed At: *Otabu path lab*

MAINTENANCE PROGRAM	<input type="checkbox"/>
CALIBRATION	<input checked="" type="checkbox"/>

Meter used for calibration: Tulip/09/16/FLU/179/265/80003

General Inspection	OK	NO	Remark
Check for proper function of printer, display, keyboard and mouse	✓		
Check the proper function of fan	✓		
Check photometric lamp	✓		
Check Clinical Chemistry tubings	✓		
Check Clinical Chemistry washing pump cartridge	✓		
Arm sampling needle	✓		
Washing needle funnel efficiency	✓		

Corporate Office: Gitanjali, Tulip Block, Dr. Antonio Do Rego Bagh, Alto Santacruz, Bambolim Complex P.O., Goa - 403 202, INDIA.  
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Innovative Excellence

# T TULIP DIAGNOSTICS (P) LTD.

a PerkinElmer company

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TEST	OK	NO	Remark
Verify the nonimate voltage of photometric lamp to 11.88 ÷ 12.12V	✓		
Verify cuvette temperature (37° C)	✓		
Verify cuvette temperature through monitor (37° C)	✓		
Verify the pressure of empty pump through monitor (1.0 ÷ 1.8 Bar)	✓		
Verify the proper working of the serum LED	✓		
Verify left arm vacutainer sensitivity	✓		
Verify the function of sensor inside water tank	✓		
Verify temperature adjustment to reagent plate ( 8 °C )	✓		
Verify the proper working of clinical chemistry arm head heater <sup>(*)</sup>	✓		
Verify function of serum scanner bar-code	X		Open
Verify function of reagent scanner bar-code	X		Open
Check all mechanical calibrations	✓		
Verify photometric gain	✓		
TEST	OK	NO	Remark
Verify photometric offset	✓		
Replace lamp if necessary	✓		
Check optical transmission	✓		
Clean cuvettes	✓		ON PM
Calculate FCC( if necessary )	✓		
Check photometric stability (min. 32 samples)	✓		
Check reproducibility (min. 32 samples with known concentration of bichromatic)	✓		

DATE: 04/06/2020

DATE FOR THE NEXT PREVENTIVE MAINTENANCE / CALIBRATION DATE: 01/11/2020

SIGNATURE: Sanjeev Tiwari