

TRANSASIA BIOMEDICALS LIMITED



CALIBRATION CERTIFICATE

Instrument Name	Coagulation Analyzer	Instrument ID	
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Date of Calibration: 17-09-2021	Time of Calibration: 17-09-2022
Instrument: ECL 105 Coagulation analyzer	Serial No.: 3423-11-180121
Customer Name: Regional Ayurveda Research Institute for Mother and Child Health.	

1. Checking operating environment		
a. Power Supply: AC 198 – 242 V, 50 Hz ± 1Hz	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
b. Temperature: Between 10°C – 40°C (37°C)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
c. Relative Humidity ≤ 85% (60 %)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
The Coagulation Analyzer is kept free of interference by strong current and magnetic field as well as direct sunlight.		
d. Operating Environment is satisfactory	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

2. Security Check		
e. The impedance which come from connection portion of plug and all metal parts is less than 0.1Ω	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
f. Leakage current of grounding Normal range ≤ 0.5mA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
g. Single trouble status ≤ 1mA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
h. Leakage current of cover Normal range ≤ 0.1mA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
i. Single trouble status ≤ 0.5mA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
j. Security check criteria are met.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

3. Voltage test		
k. The output of the adapter should not be less than 7.5 V DC without load and with load it should be 8.0 – 8.30 V	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
l. If all the power on hardware is OK then in the Hardware check, all the parameters should display OK remark during self-diagnostic test.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
m. Voltage Check is Okay.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

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4. Function Test		
n. The switching channels in Clotting, Chromogenic and immune turbidimetry testing are in normal operation.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
o. Memory function for results and QC and control program are available	<input checked="" type="radio"/> Yes	<input type="radio"/> No
p. Working of internal printer checked. The printer working normally.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
q. Program function is available. New parameter, Modify parameter and Delete parameter performed.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
r. Date and time which displayed on screen are correct.	<input checked="" type="radio"/> Yes	<input type="radio"/> No
s. Checking of the display temperature is same as in the measuring channels , using a digital thermometer	<input checked="" type="radio"/> Yes	<input type="radio"/> No
t. Temperature calibration performed, If the above test is unsatisfactory	<input checked="" type="radio"/> Yes	<input type="radio"/> No
u. LED Calibration (640 nm) gain check done. INFRA = AD 6381 Gain 1 RED = A 21 Gain 64	<input checked="" type="radio"/> Yes	<input type="radio"/> No
v. The results are satisfactory, and calibration is acceptable	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Remarks: _____

Date:



Signature of Engineer

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