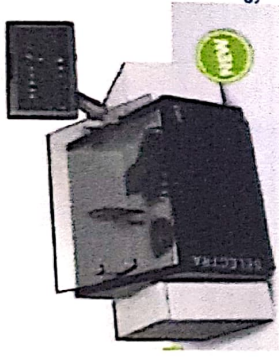


SELECTRA PRO S
CHEMISTRY SYSTEM

Instrument Calibration/Validation Certificate

Customer Name	Nirnaya Diagnostics Centre, Trivandrum	
Address	Main Road, Kunnathukal, Karakonam P O, Trivandrum	
Instrument	SELECTRA PRO S Lite	
Serial No.	18-4522	
Contract Type	WARRANTY <input type="checkbox"/> AMC <input type="checkbox"/> RRC <input type="checkbox"/>	
Calibration	Comm. Date : 20-11-2021	Exp Date : 19-11-2022
Validation Date	20-11-2021	
Next due date	20-11-2022	
<u>Instrument Condition:</u>		
Room is Air Conditioned	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Power Supply Earthing less than 5 V	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Room Working Environment is Good	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<u>Initial check</u>		
• Switch On the Instrument with Analyser Software	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Instrument is Initialising properly	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Display is showing all Characters	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Syringes movement is smooth during aspiration	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Bellows pump is moving to Home position	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• The Needle is coming to Wash Position	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Lamp is Glowing	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Temperature of Peltier is showing 37 degrees	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No



SELECTRA PRO S
ESSENTIAL SYSTEM

Instrument Calibration/Validation Certificate

Customer Name	Niraya Diagnostics Centre, Trivandrum		
Address	Main Road, Kunnathukal, Karakonam P O, Trivandrum		
Instrument	SELECTRA PRO S Lite		
Serial No.	18-4522		
Contract Type	WARANTY <input type="checkbox"/>	AMC <input type="checkbox"/>	RRC <input type="checkbox"/>
Calibration	Comm. Date : 20-11-2021	Exp Date : 19-11-2022	
Validation Date	20-11-2021		
Next due date	20-11-2022		

Instrument Condition:

- Room is Air Conditioned Yes No
- Power Supply Earthing less than 5 V Yes No
- Room Working Environment is Good Yes No

Initial check

- Switch On the instrument with Analyser Software Yes No
- Instrument is Initialising properly Yes No
- Display is showing all Characters Yes No
- Syringes movement is smooth during aspiration Yes No
- Bellows pump is moving to Home position Yes No
- The Needle is coming to Wash Position Yes No
- Lamp is Glowing Yes No
- Temperature of Peltier is showing 37 degrees Yes No

Validation

Performing Filter Check:

Test	Range In Abs	AbsValue
Filter 340nm	1.7 to 3.5	
Filter 405nm	1.2 to 2.6	
Filter 505nm	0.8 to 2.6	
Filter 546nm	0.8 to 2.6	
Filter 578nm	0.6 to 2.6	
Filter 620nm	0.6 to 2.6	
Filter 660nm	0.6 to 2.6	
Filter 700nm	0.6 to 2.6	

Performance Check

- Reagent syringe Dispensing Volume: 1000UI Yes
- Sample syringe Dispensing Volume: 100UI Yes
- Blanking is proper during test: Yes
- Results are Satisfactory Yes
- Run 20 x Check-S and 20 x Check-R as QC samples

Test	Target value	Target CV%	Mean result	CV %
Check-S (left)	0.08 (0.060-0.100)	< 1%		
Check-R (left)	1.75 (1.500-2.000)	< 1%		

Chemical Installation

- Run Reagent Blank
- Run Calibrations
- Run QC material for several clinical chemistry applications

(a few enzymes, a few substrate tests and if applicable ISE tests and fill in the results in the table below)

Test	QC Range Level 1	Test result	QC Range Level 2	Test result
Glucose				
Cholesterol				
LDL				
Microalbumin				
CRP				
RF				
ASO				
IGE				

Remarks:

- Instrument is calibrated and working in good condition
- Tested Samples and found results are satisfactory

This Calibration is valid from 20-11-2021 to 19-11-2022.

Next Calibration is due on : 20-11-2022.

Technical Acceptance By,

**Amal V K
Service Engineer
Thiruvananthapuram**