

ST-200 PRO CALIBRATION CERTIFICATE

CUSTOMERS NAME: Tesla Diagnostics
.....

ADDRESS: # 10-35/4, Rajesh Towers, Beside OBC Bank, Sangareddy.
.....

CONTACT NO:
.....

SERIAL NO OF THE INSTRUMENT: STP-00925
.....

CALIBRATION DATE: 31-05-2023
.....

VALID TILL: 30-05-2024
.....

CALIBRATION DONE BY: Mr. KIRAN DATE
.....

Calibration Slopes:			
S.No.	Na ⁺	K ⁺	Cl ⁻
1	66.89	55.43	50.40
2	66.75	55.14	51.04
3	66.81	55.01	50.53
Mean	66.82	55.19	50.66
Ranges	35-100mV/dec	35-100 mV/dec	30 - 100 mV/dec
Status	O.K	O.K	O.K

Sensa Core Medical Instrumentation Pvt. Ltd.

Plot, No: 3, Export Promotion Industrial Park, Pashamylaram, Medak (Dist), 502307, T.S. INDIA.
Tel: +08455 - 223400, www.sensacore.com

SENSA CORE
Healthcare and Diagnostic Products

Quality Control 1:		Lot :- UQC2211A-L1		Exp: Oct 2024
S.No.	Na ⁺	K ⁺	Cl ⁻	
1	125.2	1.99	73.6	
2	124.1	1.97	74.0	
3	124.5	1.98	74.1	
Mean	124.60	1.98	73.90	
Ranges	113-131 mmol/L	1.79-2.79 mmol/L	78-96 mmol/L	
Status	OK	OK	OK	
Quality Control 2:		Lot :- UQC2211A-L2		Exp: Oct 2024
S.No.	Na ⁺	K ⁺	Cl ⁻	
1	144.5	4.09	99.8	
2	143.1	4.05	102.0	
3	144.6	4.10	101.4	
Mean	144.07	4.08	101.07	
Ranges	131-145 mmol/L	3.53-4.53 mmol/L	97-111 mmol/L	
Status	OK	OK	OK	
Quality Control 3:		Lot :- UQC2211A-L3		Exp: Oct 2024
S.No.	Na ⁺	K ⁺	Cl ⁻	
1	170.8	5.90	121.6	
2	170.2	5.88	122.3	
3	169.8	5.87	123.0	
Mean	170.27	5.88	122.30	
Ranges	149-167 mmol/L	5.37-6.37 mmol/L	114-132 mmol/L	
Status	OK	OK	OK	



Signature of Engineer

DATE: 31-05-2023

Signature of Doctor

DATE:

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Operator ID:
Sample No :
BLOOD GAS at 37 C
pH = 7.049 LOW

ELECTROLYTES
Na = 125.2 mmol/L LOW
K = 1.99 mmol/L LOW
iCa = 1.60 mmol/L HIGH
Cl = 73.6 mmol/L LOW

Normalized iCa at pH 7.4
** Beyond pH range **

TRef = 34.500
HRef = 34.610
DM_Ref = 0.000
B_Ref = 760.000

Jun-06-23 13:03:30

SI-200CC
MATLIS HOSPITAL

ANALYZE SAMPLE

Patient Information
Sample Type: Serum/Plasma
Electrolytes

Patient ID :
Name :
Operator ID:
Sample No :

BLOOD GAS at 37 C
pH = 7.052 LOW

ELECTROLYTES
Na = 124.1 mmol/L LOW
K = 1.97 mmol/L LOW
iCa = 1.62 mmol/L HIGH
Cl = 74.0 mmol/L LOW

Normalized iCa at pH 7.4
** Beyond pH range **

TRef = 34.500
HRef = 34.610
DM_Ref = 0.000
B_Ref = 760.000

Jun-06-23 13:04:54

SI-200CC
MATLIS HOSPITAL

Patient Information
Sample Type: Serum/Plasma
Electrolytes

Patient ID :
Name :
Operator ID:
Sample No :

BLOOD GAS at 37 C
pH = 7.642 HIGH

ELECTROLYTES
Na = 170.8 mmol/L HIGH
K = 5.90 mmol/L HIGH
iCa = 0.70 mmol/L LOW
Cl = 121.6 mmol/L HIGH

Normalized iCa at pH 7.4
iCa = 0.80 mmol/L
TCa = 1.59 mmol/L

TRef = 34.500
HRef = 34.610
DM_Ref = 0.000
B_Ref = 760.000

Jun-06-23 13:07:47

SI-200CC
MATLIS HOSPITAL

ANALYZE SAMPLE

Patient Information
Sample Type: Serum/Plasma
Electrolytes

Patient ID :
Name :
Operator ID:
Sample No :

BLOOD GAS at 37 C
pH = 7.649 HIGH

ELECTROLYTES
Na = 170.2 mmol/L HIGH
K = 5.80 mmol/L HIGH
iCa = 0.61 mmol/L LOW
Cl = 122.3 mmol/L HIGH

Normalized iCa at pH 7.4
iCa = 0.70 mmol/L
TCa = 1.40 mmol/L

TRef = 34.500
HRef = 34.610
DM_Ref = 0.000
B_Ref = 760.000

SECTION LEFT: 80%
ack Sample Counter
ack Cleaner Counter
Cumulative Sample Counter: 1000
Jun-23-23 14:00:48

ack Sample Counter
ack Cleaner Counter: 1000
Cumulative Sample Counter: 1000
Jun-23-23 14:10:33

INSTRUMENT S.NO: 201905000025
SOFTWARE VER: AG.USF.V019
Date: 27-08-2018

PRINT-mV ON
Jun-03-23 14:10:47

ack Sample Not Detected
Jun-03-23 14:05:02

Priming A Completed
Jun-03-23 14:35:28

Priming B Completed
Jun-03-23 14:35:29

PUMP CAL A TEST
807B
CAL B mV
Na = 3.5 mV
K = 29.0 mV
Cl = 68.5 mV
CAL B Na DRIFT
CAL B K DRIFT
CAL B Cl DRIFT
CAL A mV
Na = 25.2 mV
K = 46.2 mV
Cl = 50.5 mV
CAL A Na DRIFT
CAL A K DRIFT
CAL A Cl DRIFT

CALIBRATION SLOPE

Na = --- DRIFT
K = --- DRIFT
Cl = --- DRIFT

Version: 1.1
807B

CAL B mV
Na = 13.7 mV
K = 31.1 mV
Cl = 67.9 mV

CAL A mV
Na = 25.2 mV
K = 47.2 mV
Cl = 50.4 mV

CALIBRATION SLOPE
Na = 25.2 mV
K = 47.2 mV
Cl = 50.4 mV

Jun-03-23 14:39:44

PUMP CAL A TEST
802D

CAL B mV
Na = 3.5 mV
K = 29.0 mV
Cl = 68.5 mV

ST-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.5 mmol/L
K = 4.09 mmol/L
Cl = 99.8 mmol/L

Jun-03-23 14:52:34

ST-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 143.1 mmol/L
K = 4.05 mmol/L
Cl = 102.0 mmol/L

Jun-03-23 14:54:02

ST-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.6 mmol/L
K = 4.10 mmol/L
Cl = 101.4 mmol/L

Jun-03-23 14:55:23

ST-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.8 mmol/L
K = 4.11 mmol/L
Cl = 101.0 mmol/L

Jun-03-23 14:55:45

ST-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.9 mmol/L
K = 4.13 mmol/L
Cl = 102.4 mmol/L

Jun-03-23 14:56:00



SOLUTION LEFT 1000
Pack Sample Counter 126
Daily Cleaner Counter 12
Cumulative Sample Counter 6692
Jun-03-23 14:09:48

SOLUTION LEFT 1000
Pack Sample Counter 126
Daily Cleaner Counter 12
Cumulative Sample Counter 6692
Jun-03-23 14:10:33

INSTRUMENT S.NO:201905000005
SOFTWARE VER: AB_USF_V0119
Date: 27-08-2018

PRINT-mv ON
Jun-03-23 14:10:47

CAL A Liquid Not Detected
Jun-03-23 14:35:05

Priming A Completed
Jun-03-23 14:35:38

Priming B Completed
Jun-03-23 14:36:29

PUMP CAL A TEST
8076

CAL B mV
Na = 3.5 mV
K = 29.8 mV
Cl = 68.5 mV

CAL B Na DRIFT
CAL B K DRIFT
CAL B Cl DRIFT

CAL A mV
Na = 29.2 mV
K = 46.2 mV
Cl = 50.5 mV

CAL A Na DRIFT
CAL A K DRIFT
CAL A Cl DRIFT

CALIBRATION SLOPE

Na = ***** DRIFT
K = ***** DRIFT
Cl = ***** DRIFT

Jun-03-23 14:38:05

PUMP CAL A TEST
8285

CAL B mV
Na = 3.7 mV
K = 31.1 mV
Cl = 67.9 mV

CAL A mV
Na = 29.2 mV

SI-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.5 mmol/L
K = 4.09 mmol/L
Cl = 99.8 mmol/L

Jun-03-23 14:52:34

SI-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 143.1 mmol/L
K = 4.05 mmol/L
Cl = 102.0 mmol/L

Jun-03-23 14:54:02

SI-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.6 mmol/L
K = 4.10 mmol/L
Cl = 101.4 mmol/L

Jun-03-23 14:55:23

SI-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE

Na = 144.8 mmol/L
K = 4.11 mmol/L
Cl = 101.0 mmol/L



Na : --- DRIFT
K : --- DRIFT
Cl : --- DRIFT
Jun-03-23 14:38:05

PUMP CAL A TEST
8285
---CAL B mV---
Na = 3.7 mV
K = 31.1 mV
Cl = 67.9 mV
---CAL A mV---
Na = 25.2 mV
K = 47.2 mV
Cl = 50.4 mV

CALIBRATION SLOPE
Na :66.89
K :55.43
Cl :50.40

Jun-03-23 14:39:44

PUMP CAL A TEST
8220
---CAL B mV---
Na = 3.8 mV
K = 31.9 mV
Cl = 68.0 mV
---CAL A mV---
Na = 25.3 mV
K = 47.9 mV
Cl = 50.2 mV

CALIBRATION SLOPE
Na :66.75
K :55.14
Cl :51.04

Jun-03-23 14:41:22

PUMP CAL A TEST
8202
---CAL B mV---
Na = 3.7 mV
K = 32.2 mV
Cl = 67.8 mV
---CAL A mV---
Na = 25.2 mV
K = 48.2 mV
Cl = 50.2 mV

CALIBRATION SLOPE
Na :66.81
K :55.01
Cl :50.53

Jun-03-23 14:41:44

Na :101.4 mmol/L
Jun-03-23 14:55:23

SI-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE
Na :144.8 mmol/L
K :4.11 mmol/L
Cl :101.0 mmol/L

Jun-03-23 14:56:49

SI-200Pro
Patient ID :
Name :
Operator ID :
Sample No :

ANALYZE SAMPLE
Na :144.9 mmol/L
K :4.13 mmol/L
Cl :102.4 mmol/L

Jun-03-23 15:00:49