


SENSA CORE
Healthcare and Diagnostic Products
ST-200 PRO CALIBRATION CERTIFICATE

CUSTOMERS NAME: Sri Vishnu Health Care Unit (A Unit of Tesla Diagnostics)
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ADDRESS: # 10-35/4, Rajesh Towers, Beside OBC Bank , Sangareddy.
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CONTACT NO:
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SERIAL NO OF THE INSTRUMENT: STP-00925
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CALIBRATION DATE: 31-05-2023
.....

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

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

Calibration Slopes:				
S.No.	Na ⁺	K ⁺	iCa	Cl ⁻
1	66.89	55.43		
2				
3				
Mean	64.91	71.18	36.44	76.63
Ranges	35-100mV/dec	35-100 mV/dec	15 - 55 mV/dec	30 - 100 mV/dec
Status	O.K	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+	iCa	Cl ⁻
1	121.52	2.19	1.81	89.02
2	121.85	2.20	1.80	89.25
3	121.03	2.16	1.79	89.14
Mean	121.47	2.18	1.80	89.14
Ranges	113-131 mmol/L	1.79-2.79 mmol/L	1.32-2.32 mmol/L	78-96 mmol/L
Status	OK	OK	OK	OK
Quality Control 2:		Lot :- UQC2211A-L2		Exp: Oct 2024
S.No.	Na+	K+	iCa	Cl ⁻
1	140.32	4.14	1.28	103.78
2	140.12	4.09	1.28	103.65
3	139.85	4.10	1.27	103.85
Mean	140.10	4.11	1.28	103.76
Ranges	131-145 mmol/L	3.53-4.53 mmol/L	0.70-1.70 mmol/L	97-111 mmol/L
Status	OK	OK	OK	OK
Quality Control 3:		Lot :- UQC2211A-L3		Exp: Oct 2024
S.No.	Na+	K+	iCa	Cl ⁻
1	160.52	6.19	0.87	119.78
2	160.21	6.16	0.87	119.65
3	160.65	6.17	0.88	119.62
Mean	160.46	6.17	0.87	119.068
Ranges	149-167 mmol/L	5.37-6.37 mmol/L	0.26-1.26 mmol/L	114-132 mmol/L
Status	OK	OK	OK	OK



Signature of Engineer

DATE: 31-05-2023

Signature of Doctor

DATE:

Sensa Core Medical Instrumentation Pvt. Ltd.

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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
OM_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
OM_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
OM_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 = 5.88 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
OM_Ref = 0.000

SOLUTION LEFT 1000
ack Sample Counter 15
Bottle Cleaner Counter 15
Cumulative Sample Counter 6002
03-23 14:09:48

03-23 14:10:33
Relative Sample Counter 6002
03-23 14:10:33

INSTRUMENT S.NO: 201905000925
SOFTWARE VER: AB.USF.P019
Date: 27-08-2018

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

CAL K Liquid Not Detected
Jun-03-23 14:10:47

Priming A Completed
Jun-03-23 14:35:39

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

PUMP CAL A TEST
GOOD

CAL B mv
Na = 3.5 mv
K = 29.8 mv
Cl = 09.5 mv
CAL B Na DRIFT
CAL B K DRIFT
CAL B Cl DRIFT

CAL A mv
Na = 25.2 mv
K = 40.2 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

PUMP CAL A TEST
GOOD

CAL B mv
Na = 3.7 mv
K = 31.7 mv
Cl = 07.9 mv
CAL A mv
Na = 25.2 mv
K = 47.2 mv
Cl = 50.4 mv

CALIBRATION SLOPE
Na = 4.3
K = 50.40

Jun-03-23 14:39:44

PUMP CAL A TEST
GOOD

CAL B mv
Na = 3.8 mv
K = 31 mv
Cl = 09.7 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 14:52:14

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

Jun-03-23 14:56:45

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 14:58:49

SOLUTION LEFT 1802
Pack Sample Counter 120
Daily Cleaner Counter 12
Cumulative Sample Counter 1692
Jun-03-23 14:09:48

SOLUTION LEFT 1802
Pack Sample Counter 120
Daily Cleaner Counter 12
Cumulative Sample Counter 1692
Jun-03-23 14:10:33

INSTRUMENT S.NO: 201905000924
SOFTWARE VER: AB-USP-KUMI
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 = 88.5 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 14:38:09

PUMP CAL A TEST

8289

CAL B mV
Na = 3.7 mV
K = 31.1 mV
Cl = 57.9 mV

CAL A mV
Na = 29.2 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

CALIBRATION SLOPE

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

Jun-03-23 14:38:05

PUMP CAL A TEST

8285

---CAL B mV---
Na = 3.2 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 :65.89
K :55.43
Cl :50.40

Jun-03-23 14:39:44

PUMP CAL A TEST

8220

---CAL B mV---
Na = 3.6 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 = 3.2 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 :65.81
K :55.01
Cl :50.53

Jun-03-23 14.4

Na :94.10 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 14:56:48

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 15:00:48