

APK300 Calibration Certificate.

This is to certify that installed at NU Hospitals, Shivamogga. AutoPak300 Analyzer Serial number **20016903** has been duly calibrated on 31/03/2021 and the same was verified with the following tests.

System Tests results:

| | Passed | Failed | Comments |
|---------------------|-------------------------------------|--------------------------|----------|
| ● Temperature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Stray light | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Noise | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Stability | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Tip pump | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Level detection | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Washer hydraulics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Washer | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| ● Clot detector | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

Verified the Calibrations and alignment visually.

Performed Tests , all are passed.

Calibration of the instrument was carried out as per the recommendation.

Next Calibration will be performed on 31/03/2022

| | |
|---|--|
| Name/Address of Lab: Nu Hospitals, Shivamogga Karnataka | |
| Phone#:9751740906 | Contact Person: Shilpa |
| MAIL:guru.yogesh@siemens-healthineers.com | Contact Email:lab.shivamogga@nuhospitals.com |
| Instrument Model: Autopak 300 | Instrument Serial #: 20016903 |
| Installation Date: 09.03.2020 | Software Revision #: 1.5 |
| Install Technician Name: Guru Yogesh | Signature: |

Guruyogesh.R

31/03/2021

Service Engineer, Bangalore

R. K. RAO

QC Done

31-03-2021 15:45

| Date | Control Id | Lot Number | Test | Low limit | Result | High Limit | Units | Out |
|-------------|--------------|---------------|----------|-----------|--------|------------|-------|-----|
| 31-03 15:31 | BIORAD CHEMI | 26472 2022-02 | BUN APK | 26 | 44 | 68 | mg/dL | |
| 31-03 15:32 | BIORAD CHEMI | 26472 2022-02 | QALB | 2.39 | 2.82 | 2.96 | g/dL | |
| 31-03 15:33 | BIORAD CHEMI | 26472 2022-02 | GPT APK | 66 | 97 | 109 | U/L | |
| 31-03 15:34 | BIORAD CHEMI | 26472 2022-02 | CHOL APK | 86 | 105 | 113 | mg/dL | |
| 31-03 15:34 | BIORAD CHEMI | 26472 2022-02 | Ca | 11.00 | 11.90 | 12.90 | mg/dL | |
| 31-03 15:35 | BIORAD CHEMI | 26472 2022-02 | PHOS APK | 6.48 | 4.77 | 8.02 | mg/dL | X |
| 31-03 15:35 | BIORAD CHEMI | 26472 2022-02 | UrA APK | 9.9 | 10.3 | 10.8 | mg/dL | |
| 31-03 15:37 | BIORAD CHEMI | 26472 2022-02 | TBIL APK | 3.41 | 4.32 | 4.62 | mg/dL | |
| 31-03 15:38 | BIORAD CHEMI | 26472 2022-02 | ALPA APK | 310.0 | 453.4 | 599.0 | U/L | |
| 31-03 15:39 | BIORAD CHEMI | 26472 2022-02 | GLU APK | 256 | 281 | 307 | mg/dL | |
| 31-03 15:40 | BIORAD CHEMI | 26472 2022-02 | HDL APK | 20 | 31 | 36 | mg/dL | |
| 31-03 15:40 | BIORAD CHEMI | 26472 2022-02 | TRIG APK | 83 | 92 | 113 | mg/dL | |
| 31-03 15:41 | BIORAD CHEMI | 26472 2022-02 | QTP | 3.7 | 3.9 | 4.6 | g/dL | |
| 31-03 15:16 | BIORAD CHEMI | 26472 2022-02 | GOT APK | 103 | 179 | 211 | U/L | |
| 31-03 15:35 | BIORAD CHEMI | 26472 2022-02 | QCREA | 5.39 | 6.10 | 6.81 | mg/dL | |
| 31-03 15:43 | BIORAD CHEMI | 26472 2022-02 | DBIL APK | 0.99 | 1.1 | 1.49 | mg/dL | |
| 31-03 15:27 | BIORAD CHEMI | 26472 2022-02 | PHOS APK | 6.48 | 6.88 | 8.02 | mg/dL | |

| Date | Control Id | Lot Number | Test | Low limit | Result | High Limit | Units | Out |
|-------------|--------------|---------------|----------|-----------|--------|------------|-------|-----|
| 31-03 15:28 | BIORAD CHEMI | 26471 2023-02 | BUN APK | 11 | 13 | 20 | mg/dL | |
| 31-03 15:29 | BIORAD CHEMI | 26471 2023-02 | QALB | 3.80 | 3.92 | 4.58 | g/dL | |
| 31-03 15:31 | BIORAD CHEMI | 26471 2023-02 | GPT APK | 18 | 33 | 33 | U/L | |
| 31-03 15:31 | BIORAD CHEMI | 26471 2023-02 | CHOL APK | 230 | 242 | 287 | mg/dL | |
| 31-03 15:31 | BIORAD CHEMI | 26471 2023-02 | Ca | 8.62 | 8.52 | 10.20 | mg/dL | X |
| 31-03 15:32 | BIORAD CHEMI | 26471 2023-02 | PHOS APK | 3.01 | 1.35 | 3.92 | mg/dL | X |
| 30-07 15:32 | BIORAD CHEMI | 26471 2023-02 | GOT APK | 21 | 39 | 45 | U/L | |
| 31-03 15:33 | BIORAD CHEMI | 26471 2023-02 | UrA APK | 5.1 | 5.5 | 6.4 | mg/dL | |
| 31-03 15:35 | BIORAD CHEMI | 26471 2023-02 | TBIL APK | 0.82 | 0.88 | 1.20 | mg/dL | |
| 31-03 15:35 | BIORAD CHEMI | 26471 2023-02 | ALPA APK | 72.3 | 95.1 | 146.0 | U/L | |
| 31-03 15:36 | BIORAD CHEMI | 26471 2023-02 | GLU APK | 75 | 77 | 91 | mg/dL | |
| 31-03 15:37 | BIORAD CHEMI | 26471 2023-02 | HDL APK | 65 | 89 | 110 | mg/dL | |
| 31-03 15:37 | BIORAD CHEMI | 26471 2023-02 | DBIL APK | 0.12 | 0.23 | 0.32 | mg/dL | |
| 31-03 15:38 | BIORAD CHEMI | 26471 2023-02 | TRIG APK | 158 | 161 | 208 | mg/dL | |
| 31-03 15:38 | BIORAD CHEMI | 26471 2023-02 | QTP | 6.0 | 5.6 | 7.3 | g/dL | X |
| 31-03 15:31 | BIORAD CHEMI | 26471 2023-02 | QALB | 3.80 | 4.14 | 4.58 | g/dL | |
| 31-03 15:32 | BIORAD CHEMI | 26471 2023-02 | Ca | 8.62 | 8.7 | 10.20 | mg/dL | |
| 31-03 15:34 | BIORAD CHEMI | 26471 2023-02 | QCREA | 2.14 | 2.67 | 3.06 | mg/dL | |
| 31-03 15:35 | BIORAD CHEMI | 26471 2023-02 | PHOS APK | 3.01 | 1.67 | 3.92 | mg/dL | X |
| 31-03 15:39 | BIORAD CHEMI | 26471 2023-02 | GLU APK | 75 | 84 | 91 | mg/dL | |
| 31-03 15:41 | BIORAD CHEMI | 26471 2023-02 | QTP | 6.0 | 6.2 | 7.3 | g/dL | |
| 31-03 15:26 | BIORAD CHEMI | 26471 2023-02 | PHOS APK | 3.01 | 3.74 | 3.92 | mg/dL | |

NU HOSPITALS,SHIVAMOGA

Date 31- 03-2021

TIME 17:27:03

Ref. class ADULT

Patient Id 581429

First name PRAVEEN

MD.

Last name

Section

Bed

| Test Name | Result | Units | Normal Range | Low/High/Normal |
|-----------|--------|-------|--------------|-----------------|
| BUN APK | 90 | mg/dL | 6 - 20 | High |
| GLU APK | 160 | mg/dL | 70 - 100 | High |
| QCREA | 5.29 | mg/dL | 0.55 - 1.02 | High |