

CAPA for the outliers in EQUAS of Biochemistry

1. The machines are recalibrated during the month of June to rule out any problem with the equipments.
2. The reagents were analyzed by the vendor.
3. The test results are cross matched with 2 different laboratories in the city to make a comparison with them.
4. Controls are being run regularly to keep accuracy of the tests.
5. The above said measures are being taken and if the outliers are still not falling in line with the EQUAS then NABL's decision is final and we can remove the outliers from the scope of the centre.



Dr. RUBY
BAMS, PGDHA
Hospital Administrator
Nirvana Diagnostic Centre



(Prof.) Dr. Uma Singh
M.B.B.S., D.G.O., M.D. FIAMS Pathology
Ex. Prof. PGLMS, ROHTAK-124001 (Hry.)
Regn. No. M.B.B.S., (M.N.C.)-1874
M.D. (M.C.I.)-1677



"APP Accredited / certified Lab"

ECHS, Insurance & Govt. Panels

Please share your feedback at www.nirvanadiagnosticcentre.com



This is a professional opinion and not the final diagnosis. Findings need to be correlated clinically. Not for medico legal purposes.

16 Slice CT Scan - Digital X-Ray - 3D/4D Ultra Sound - Colour Doppler - Well Equipped Lab - Interventions

TestAbstract

Instrument Serial Number:18113001

User: Viviana

Long Run Test: passed (01/02/2020 21:10:13)

Especificaciones del Test

Cumplimiento del Test

Dilutions: 1000 cycles (1000 to 5000)

Errors: 0 (0)

operation_Time: 7,1 hours (6 to 20)

Energ Test: Passed

(15/6/2015 9:09:27)

Especificaciones del Test

Cumplimiento del Test

Filter_Errors: 0 (0)

Optical Filters Test: passed ((01/02/2020 13:33:10)

Especificaciones del Test

Cuvette Position: 3

Sensitivity: 0,6 mAU/nm

Cumplimiento del Test

Filter_Errors: 0 (0)

Cuvettes Test: passed ((01/02/2020 12:01:15)

Especificaciones del Test

Emotv: 0 AU

Normal: 0,11 AU

Tolerance: 0,04 AU

cumplimiento del Test

Difference: 0,038 AU (0 to 0,04)

Cuvette Dvrer Test: passed ((01/02/2020 8:10:26)

Esopecificaciones del Test

Second_Read_Time: 3 minutes

Cumplimiento del Test

Delta-Absorbance T: 0~0045 AU (0 to 0,04)

Delta-Absorbance_TO: 0,0037 AU (0 to 0,08)

Washer Test: Passed ((01/02/2020 09:46:31)

Especificaciones del Test

Replicates: 10

Cumplimiento del Test

Remnant Volume Station13 uL (-10 to 50)

Remnant Volume Station211 uL (-10 to 50)

Remnant Volume Station38 uL (-10 to 50)

Remnant Volume Station48 uL (-10 to 50)

Remnant Volume Station56 uL (-10 to 50)

Wash Volume Station1: 567 uL (500 to 700)

Wash Volume Station2: 585 uL (500 to 700)

Wash Volume Station3: 680 uL (500 to 700)

Wash Volume Station4: 616 uL (500 to 700)



TestAbstract

Stray Light Test: Passed ((01/02/2020 8:45:56)
Especificaciones del Test
Sample Position 1: 2 (sol. A)
Sample Position 2: 3 (sol. D)
Wavelength: 340 nm

Cumplimiento del Test
K2Cr207 5g/L:
NaNo2_50g/L:

Noise Test: Passed ((01/02/2020 10:02:58)
Especificaciones del Test
Filter: 1
Max Absorbance: 1,6 AU
Measurements: 30
Min-Absorbance: 1,3 AU
Reagent Position: 1 (sol. E)
Sample Position: 1 (sol. B)

Cumplimiento del Test
O%T SD:
Dynamic SD:
static_~:

Photom. Stability Test: Passed 01/02/2020 8:45:30)
Especificaciones del Test
Filter: 1
Interval: 20 sec
Measurements: 30
Reagent position: 1 (sol. E)
Sample Position: 1 (sol. B)

Cumplimiento del Test
Filter Move Diference: 0,0019 AU (0 to 0,006)
Filter Move Diference: 20,0014 AU (0 to 0,006)
Filter Move Mean Dif: 0,001 AU (0 to 0,006)
Long Term Diference: 0,0064 AU (0 to 0,02)
Long Term Diference 2: 0,0063 AU (0 to 0,02)
Long_Term_Mean_Dif: 0,0001 AU (0 to 0,006)

Dilution Test: Passed 01/02/2020 12:37:24)
Especificaciones del Test
Incubation Time: 300 sec
Reagent Description: 5 K2CrO4
Reagent position: 1 (sol. E)
Reaq-nt volume: 300 uL
Replicates: 30
Sample Position: 2 (sol. A)
Sample Volume: 3 uL
Wavelength 1: 340 nm
Wavelength_2: 0 nm

Cumplimiento del Test
CV:
SD:

Tip Drag Test: Passed ((01/02/2020 11:32:48)
pagina 2



Testabstract

Especificaciones del Test

Incubation Time: 120 sec
Reagent Position: 1 (sol. E)
Sample position: 2 (sol. A)
Total volume: 300 uL
wavelength 1: 300 nm
wavelength 2: 0 nm

Cumplimiento del Test 0,999 (0,99 to 1)
correlation: 0,19 uL (0 to 0,5)
Drag:

Simultaneous Test: Passed (01/02/2020 11:41:00)

Especificaciones del Test

Absorbance: 1,5 AU
Filter: 1
Incubation Time: 300 sec
Measurements: 10
Reagent Position: 1 (sol. E)
Reagent Volume: 100 uL
Sample Position: 1 (sol. B)
Sample volume: 10 uL

Cumplimiento del Test

Max-Absorbance: 2 mAU (0 to 5)
Min-Absorbance: -0,9 mAU (-5 to 0)

Movements Test: Passed (01/02/2020 12:18:19)

Especificaciones del Test

Measurements: 100
Reagent Position: 2 PT reagent
Sample Position: 1 (sol. B)
Step Tolerance: 5 steps
Temp Tolerance: 0,5 oC
Velocity: 14
Volume: 200 UL

Cumplimiento del Test

Level Errors: 0 (0)
Status Errors: 0 (0)
Temp Errors: 0 (0)
Washer_Errors: 0 (0)

ISE Dilution Test: not performed.

AUR Test: Passed (01/02/2020 8:35:01)

Especificaciones del Test

Factor: 35 External
Incubation Time: 300 sec
Level: 1 Lycopcheck
R1 position: 3 First Reagent
R1 Volume: 200 uL
R2 position: 0 second Reagent
R2 Volume: 0 uL
Reagent Lot: 1
Replicates: 20
sample Lot: 1
Sample position: 4 Lycopcheck
Sample volume: 4 uL



Wavelength 1: 505 nm TestAbstract
Wavelength 2: 700 nm

Cumplimiento del Test
Blank: 0,01 AU (0 to 0,2)
CV: 0,7 % (0 to 1,5)
Mean: 4,5 mg/dL (3,7 to 5,4)

GPT Test: passed ((01/02/2020 12:20:45)
Especificaciones del Test
Factor: -1746 External
Incubation Time: 90 sec
Level: 1 Lvoocheck
R1 Position: 28 First Reagent
R1 volume: 200 uL
R2 position: 4 Second Reagent
R2 volume: 50 uL
Readings Gap: 60 sec
Reagent Lot: 1
Replicates: 20
Sample Lot: 1
Sample Position: 4 Lvoocheck
Sample Volume: 25 ut
Wavelength_1: 340 nm

Cumplimiento del Test
CV: 2,3 % (0 to 4)
Mean: 27 mg/dL (25 to 35)





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Orange Labs
Assuring Accurate Results

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| | | | | | |
|----------|-----------------------|------------|---------|---------------|---------------------|
| Date | 10/07/2021 3:01:54 PM | Srl No. | 32 | Patient Id | 21071032 |
| Name | MR. GULSHAN KUMAR | Age | 61 Yrs. | Sex | M |
| F/H Name | | Mobile No. | | Reporting Dt. | 10/07/2021 03:36 PM |
| Ref. By | Dr. NIRWANA LAB | Address | | | |

| Test Name | Value | Unit | Normal Value |
|-----------|-------|------|--------------|
|-----------|-------|------|--------------|

BIOCHEMISTRY

| | | | |
|---------|------|-------|------------|
| CALCIUM | 8.72 | mg/dl | 8.5 - 10.5 |
|---------|------|-------|------------|

Method according to Schwarzenbach with o-cresolphthalein complexone. Calcium ions react with o-cresolphthalein complexone (o-CPC) under alkaline conditions to form a violet colored complex. The addition of 8-hydroxyquinoline prevents interference by magnesium and iron. The color intensity of the complex formed is directly proportional to the calcium concentration and is measured photometrically.

Reference Range

| | |
|---------------------------|------------------|
| Children (0-10 days) | 7.6 - 10.4 mg/dL |
| Children (10 days-2years) | 9.0 - 11.0 mg/dL |
| Children (2-12 years) | 8.8 - 10.8 mg/dL |
| Children (12-18 years) | 8.4 - 10.2 mg/dL |
| Adults (18-60 years) | 8.6 - 10.0 mg/dL |
| Adults (60-90 years) | 8.8 - 10.2 mg/dL |
| Adults (>90 years) | 8.2 - 9.6 mg/dL |

**** End Of Report ****

Orange Labs
Assuring Accurate Results

Poonam

Dr. Poonam Nagpal, M. B. B. S
M. D., Pathologist
Lab Head

All Pathology, Microbiology & Diagnostic Lab Services
First Advanced Technology Lab in Haryana, A unit of Orangepathways Pvt. Ltd.





ROHTAK DIAGNOSTIC & PATH LAB.

(A UNIT OF OSCAR HEALTH SERVICES)

MEDICAL MOR, ROHTAK | Ph. : 01262-280145, 9992193331

Transaction No : 284154

Patient Name : Mr. GULSHAN KUMAR

Mobile No : 0

Report Date : 10-07-2021

Report Time : 03.04:38PM

MR NO.

Age : 61 Years Sex : Male

Doctor Name : SELF

Sample Date :

Sample Time :

BIOCHEMISTRY REPORT

Test Name : CALCIUM

| COMPONENT | RESULTS | UNITS | REF. RANGE |
|---------------|---------|-------|------------|
| SERUM CALCIUM | 8.0 | mg/dl | 8.4--10.5 |

***** END OF REPORT *****

User Nm : KARAMJEET

Pathologist/Technologist

System Nm : labpc-PC

CBC, Thyroid, Kidney Function Test, Liver Function Test, Lipid Profile, Blood Sugar, LH, FSH, Prolactin, β -HCG, TORCH, CA-125, CEA, PSA

3D/4D Color Doppler Ultrasound, H.S.G., IVP, Barium Studies, Digital X-Ray, Multi Slice Spiral CT Scan, E.C.G.,
E.E.G. - 21 Channels, E.M.G., N.C.V., V.E.P., B.E.R.A., P.F.T. & Comprehensive Health Check-ups etc.

This report is for doctor's personal use only and not for medico-legal purpose. This is only professional opinion and not a diagnosis. In case of unexpected result, kindly contact the lab.
All congenital anomalies can not be ruled out, this depends on fetal position, amount of liquor and gestation age. Identity of the patient can not be confirmed.

3D/4D Ultrasound, Color Doppler, CT-Scan, Digital X-Ray & Computerised Lab

NOT FOR MEDICO LEGAL PURPOSE

(सभी टेस्ट सुविधा 24 घंटे उपलब्ध है।)

Lab Reg. No. : 148 Registered On : 10/Jul/2021 03:46PM
Name : Mr. Gulshan Age/ Sex : 61 Yrs. / MALE
Referred By : Dr.Self Received On : 10/Jul/2021 03:46PM
Reporting On : 10-Jul-2021 3:49 pm

| TEST NAME | RESULTS | UNITS | REF.-RANGE |
|---------------------------|----------------------------|-------|------------|
| SERUM CALCIUM | BIOCHEMISTRY 7.6 | mg/dl | 8.5 - 10.6 |
| -----{End of Report}----- | | | |