



VIVEK LABORATORIES®

No.253,K/1, K.P. Road, Nagercoil - 629 003, Tamilnadu, INDIA,
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Mobile : 97877 20091, 97877 30063
e-mail : vivek_laboratories@yahoo.com
www.viveklaboratories.com



SRF ID : 3357500651749



Name : Mr. THIRUNELVELYPERUMAL C

Ref. By :

Client Name : Direct

VKLAB : 1968

Age : 69 Yrs. Sex : M

ICMR ID : 314465768

Sample Collection : 25/05/2021 09:04

Sample Received : 25/05/2021 09:04

Report Released : 25/05/2021 13:58

SARS-CoV2 (COVID-19) Real Time RT PCR Test

Type of Sample	: Nasopharyngeal Swab in Viral Transport Medium
Method	: RT PCR
PCR Kit	: PerkinElmer_Coronavirus_Detection_Kit
N gene	: Detected
CT value	: 17.74
ORF Gene	: Detected
CT Value	: 16.96

Test Description	Result
SARS CoV2 RNA, PCR*	POSITIVE

ICMR Approved testing center for RT-PCR.

ICMR Reg. No. - VLNKTN

No. 1159, (Old No. 253), K/1, K.P Road, Nagercoil - 629 003, Tamilnadu, India

Test Interpretation:

- A 'Positive' result indicates SARS-CoV-2 RNA is detected from the patient's specimen by this assay.
- A 'Negative' result indicates SARS-CoV-2 RNA is not detected from the patient's specimen by this assay.

Instrument Used:

- Qiagen Rotorgene Q / Roche Lightcycler 480 II.

Note:

- Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basis for patient management decisions.
- The report represents only the specimen received in the laboratory. Kindly correlate clinically.
- The COVID-19 RT-PCR test is a real-time reverse transcription-polymerase chain reaction (RT-PCR) test for the qualitative detection of nucleic acid from SARS-CoV-2 in upper and lower respiratory specimens.
- ICMR has recommended not to rely on numerical Ct values for determining infectiousness of COVID-19 patients and deciding patient management protocols citing the following explanations.

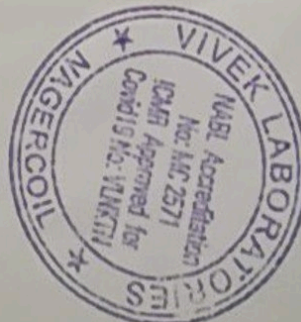
References:

- <https://www.mohfw.gov.in/pdf/SOPforSurveillanceandresponseforthenewSARSCov2variant.pdf>
- <https://www.icmr.gov.in/ctechdocad.html>. Advisory_on_correlation_of_COVID_severity_with_Ct_values.pdf

G. Pradeepha

PRADEEPHA., MSc., Mphil.,

Biotechnologist



Dr. S.R. SRINIVASA KANNAN

M.D.Path
Director & Pathologist

NABL ACCREDITED LABORATORY
24 hrs SERVICE



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Name : Mr. THIRUNELVELYPERUMAL C

Ref. By :

Client Name : Direct

VCLAB : 1968

Age : 69 Yrs. Sex : M

ICMR ID : 314465758

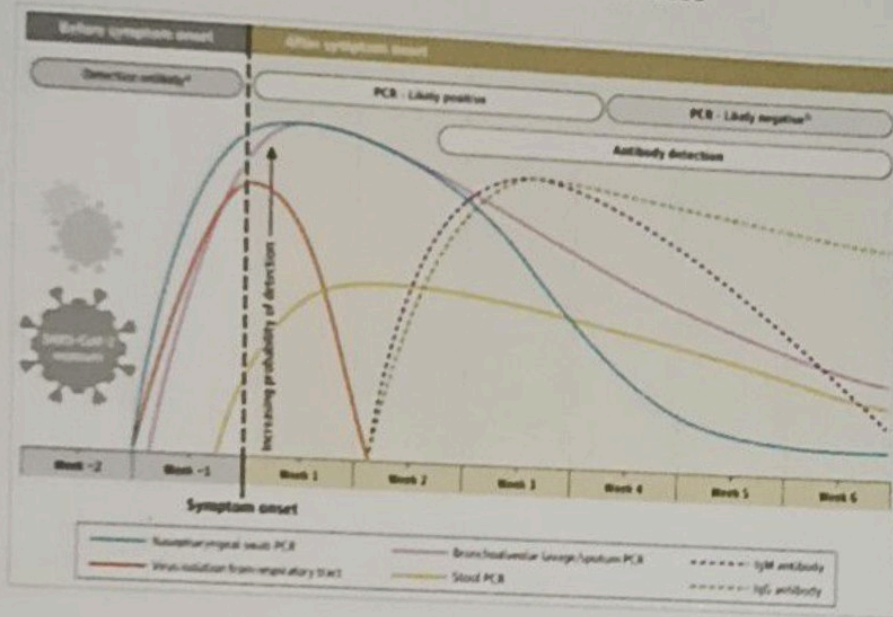
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Interpreting Diagnostic Tests for SARS-CoV-2

JAMA. 2020;323(22):2249-2251. doi:10.1001/jama.2020.8259



Estimated Variation Over Time in Diagnostic Tests for Detection of SARS-CoV-2 Infection Relative to Symptom Onset

Estimated time intervals and rates of viral detection are based on data from several published reports. Because of variability in values among studies, estimated time intervals should be considered approximations and the probability of detection of SARS-CoV-2 infection is presented qualitatively.

- A. Detection only occurs if patients are followed up proactively from the time of exposure.
- B. More likely to register a negative than a positive result by PCR of a nasopharyngeal swab

G. Pradeepha

PRADEEPHA, MSc., Mphil.,
Biotechnologist

End Of Report



Dr. S.R. SRINIVASA KANNAN

M.D. Path
Director & Pathologist



GURU SCANS

குரு ஸ்கேன்ஸ்

204, PWD Road, Nagercoil - 629 002

email : guruscan@gmail.com Ph.: 04652 - 225746, 225747, 225748

Dr. I. Prem Solomon, M.D. (Radiodiagnosis)

Founder, Dr. S.I. Chelladurai, M.B.B.S., D.M.R.D.

NAME: MR. THIRUNELVELY PERUMAL	DATE: 04/06/2021
AGE/ SEX: 69 / MALE	REF BY DR. SELF
NO: 7226/21	PLACE: KOTTAR

CT THORAX- PLAIN

Technique: Helical sections of the thorax were taken from the thoracic inlet to the diaphragm without contrast.

Clinical History: COVID POSITIVE -- NOW COUGH

FINDINGS:

Scattered areas of patchy ground glass attenuation noted in both lungs with few subsegmental atelectasis
[~ 25 to 30 % lung parenchyma]

CT SEVERITY SCORE		
1.	Right upper lobe	2
2.	Right middle lobe	3
3.	Right lower lobe	3
4.	Left upper lobe	2
5.	Left lower lobe	3
Total :		13/ 25

Few tiny parenchymal cysts and fibrotic strands noted. No focal parenchymal masses detected.

No evidence of interstitial lung disease.

Major airways appear normal. Both hila appear normal.

Both pleural cavities are normal. No abnormal fluid collection/ nodules seen.

Mediastinum is in midline and is normal in attenuation. No mass lesions noted. Great vessels of the mediastinum appear normal. No significant intra thoracic lymph node enlargement.

Diaphragm and the subdiaphragmatic region appears normal.

Visualised upper abdomen shows fatty liver.

Visualised soft tissues appear normal. *Degenerative changes noted in spine.* No focal bony lesions noted.

IMPRESSION:

- SCATTERED AREAS OF PATCHY GROUND GLASS ATTENUATION IN BOTH LUNGS WITH FEW SUBSEGMENTAL ATELECTASIS [~ 25 TO 30 % LUNG PARENCHYMA].
- CO-RADS 6.

Dr. I. PREM SOLOMON, M.D (P-D)
Reg. No. 78626
Consultant Radiologist & Sonologist
GURU SCANS, NAGERCOIL-2.



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CT SEVERITY INDEX SCORE:

SCORE	% AREA OF LOBE INVOLVED
0	NIL
1	LESS THAN 5 %
2	5 TO 25 %
3	25 TO 50 %
4	50 TO 75 %
5	MORE THAN 75 %

- Mild – less than 8
- Moderate – 8 to 15
- Severe – more than 15

CORADS SCORE – LEVEL OF SUSPICION FOR COVID-19 INFECTION.

CO-RADS 1	NO	Normal or non infectious abnormalities
CO-RADS 2	LOW	Abnormalities consistent with infections other than COVID-19
CO-RADS 3	INTERMEDIATE	Equivocal findings for COVID-19 infection
CO-RADS 4	HIGH	Abnormalities suspicious for COVID-19 infection
CO-RADS 5	VERY HIGH	Typical COVID-19 findings
CO-RADS 6	PCR +	



HITECH DIAGNOSTIC CENTRE

The Extra Care Lab

No.935, GKS Tower, Poonamallee High Road, Purasawalkam, Chennai - 600 084



Patient : P0021297 **Mr. THIRUNELVELY PERUMAL (69/M)** SID Date : 04/06/2021
 SID.No. : **007429** Reg Time : 19:18:13
 Referrer : **SUBAM SPECIALITY HOSPITAL.** Report Date : 05/06/2021
 Address : NAGERCOIL - 629 001 Report Time : 09:22:59
 Ph : 272146 Page Number : 1
 Final report

Test	Result	Biological Reference Interval
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TEST REPORT

BLOOD - BIOCHEMISTRY

U (SERUM)

: 189.3 U/l

Specimen : SERUM

Method : IFCC/ UV Kinetic Lactate to Pyruvate

FFEMALE : 135-214 U/L
 MALE : 135-225 U/L
 CHILDREN
 2 - 15 Yrs : 120-300 U/L
 NEW BORN : 225-600 U/L

ELECTROLYTES (SERUM)

Specimen : SERUM

Method : ISE

Sodium (Na+)	:	134.9 mmol/L	136 - 148
Potassium (K+)	:	4.5 mmol/L	3.5 - 5.0
Chlorides (Cl-)	:	102.6 mmol/L	95 - 103
Bicarbonate (HCO ₃)	:	22.1 mmol/L	20 - 28

BLOOD - IMMUNOLOGY

IL 6

: 9.40 pg/ml

Method : ECLIA

Normal : UPTO 7.0 pg/ml

Increased in SIRS, Bacterial Sepsis and Septic Shock.

Caution for Other Labs and Hospitals:

IL-6 levels will be falsely elevated if not separated from the cells, due to diffusion from Lymphocytes. All labs are advised to separate the serum within 45 minutes to 1 hour of collection, separate the serum in a sample storage vial and refrigerate. Make sure that there is no delay in separation of samples collected in the evening or night.

Dr. SP. Ganesan, MBBS, DCP, MBA
Medical Director

Dr. Radhi Lawrence, All (path)
Chief Pathologist

Dr. Priya, MD
Consultant Microbiologist

Mrs. Malini Parasuraman, M.Sc. M
Chief of Lab Services

a Unit of Dr. Ganesan's Hitech Diagnostic Centre Pvt. Ltd.

P.T.O

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No.935, GKS Tower, Poonamallee High Road, Purasawalkam, Chennai - 600 084



Patient : P0021297
ID.No. : 007429

Mr. THIRUNELVELY PERUMAL (69/M)

SID Date : 04/06/2021
Reg Time : 19:18:13

Report Date : 05/06/2021
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Page Number : 2
Final report

Test	Result	Biological Reference Interval
FERRITIN	: 303.7 ng/ml	Males : 30 - 400 ng/ml Females : 13 - 150 ng/ml
Specimen : SERUM		
Method : CLIA		

DR. SP. GANESAN. MBBS., DCP..

★ End Of Report ★

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P.T.



SUBAM SPECIALITY HOSPITAL



VADASERY, NAGERCOIL - 629 001. ☎ 274146, Cell:9943051035

Dr. V.S. Muthuramalingam, MS, Ortho, D.Ortho

Dr. R. Padmavathi Muthuramalingam, M.B.B.S., M.D., Obst. & Gynac

Name... Mr. Thirunehal ... Age... 69 ... Sex... male

Ref. by Dr. V.S. M.R.L. O.P. / I.P. ... Lab. No. ...

Date 08/06/2021

LAB REPORT

HAEMATOLOGY

Haemoglobin..... gms / dl.

RBC Count..... Cells / Cu.mm

Total WBC Count..... / Cu.mm

PCV..... %

Differential Count

Polymorphs..... %

Lymphocytes..... %

Eosinophils..... %

Monocytes..... %

Basophils..... %

Blood ESR 1/2 hr Reading..... mm

1 hr Reading..... mm

Platelets Count..... / Cu.mm

Blood Smear for MP/MF.....

Bleeding Time.....

Clotting Time.....

Blood Grouping.....

Rh Typing.....

URINE ANALYSIS

Albumin

Sugar

Deposits

Bite Salts

Bite Pigments

Pregnancy Card Test

Acetone

MOTION

Ova

Cyst

Reducing Substances

Occult blood

BIO CHEMISTRY

Serum Glucose Random..... mgs%

Fasting..... mgs%

Post Prandial..... mgs%

Serum Urea..... mgs%

Serum Creatinine mgs%

Serum Cholesterol..... mgs%

Serum Triglycerides..... mgs%

HDL Cholesterol..... mgs/dl

LDL Cholesterol..... mgs/dl

VLDL Cholesterol..... mgs/dl

Serum total Bilirubin mgs%

Direct Bilirubin..... mgs%

Indirect Bilirubin..... mgs%

Serum Alkaline Phosphatase..... IU / ml

Serum Uric acid..... mgm%

SEROLOGY

Widal Slide Test

S. Typhoid 'O' Ag

S. Typhoid 'H' Ag

S. Para Typhoid 'AH' Ag

S. Para Typhoid 'BH' Ag

VDRL Card Test

RA Factor

ASO Titre

CRP → 9.0

HBS Ag

HIV (Tri dot method)

Mantoux

Sputum for AFB.....

Other Tests.....

Asn
Lab. Technician



SUBAM LABORATORY SERVICE



Date : 04/Jun/2021

Name : MR. THIRUNELVELY PERU

Age : 69/Male

PHN : SH212295

Mobile : 6379766299

ID : OP04062021011

Doctor : Dr. RAJESH. K, MBBS, MS, Mch,
FEVS(Ireland)

Sample Date: 04/Jun/2021 09:08 PM

Report Date: -

Bill No : -

Test Name/Method	Result	Unit	Reference Value
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HAEMATOLOGY

BLOOD ROUTINE

HB	13.4	gms%	Male : 13.5 to 16.5 gms% Female : 12 to 15 gms% Children : 0 to 16 gms%
TWBC COUNT	6,700	CELLS/CUMM	4,000 - 11,000
DC	-		
NEUTROPHILS	73	%	40 - 80
LYMPHOCYTES	17	%	25 - 35
EOSINOPHILS	08	%	0 - 5
MONOCYTE	02	%	2 - 10
BASOPHILS	00	%	1 - 2
PCV	42.2	%	35 - 45
PLATELET	2.57	lakhs cells /cumm	1.5 - 4.0
ESR 1/2 mm - 1 hours	98	mm	5 - 15
RBC COUNT	4.53	Million cells/cumm	3.80 - 4.0

BIOCHEMISTRY

BLOOD SUGAR (R)	148	mg/dl	80 - 140
BLOOD UREA	40	mg/dl	10 - 45
CREATININE	1.1	mg/dl	Male : 0.6 to 1.2 mg/dl Female : 0.5 to 1.1 mg/dl

Verified by

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Page 1 of 3



SUBAM LABORATORY SERVICE



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Test Name/Method	Result	Unit	Reference Value
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BIOCHEMISTRY

LIVER FUNCTION TEST

TOTAL BILIRUBIN	0.6	mg/dl	0 - 1.0
DIRECT BILIRIBIN	0.2	mg/dl	0 - 0.3
INDIRECT BILIRUBIN	0.4	mg/dl	0 - 0.6
SGOT	21	IU/L	Male : 0 to 35 IU/L Female : 0 to 31 IU/L
SGPT	30	IU/L	Male : 0 to 45 IU/L Female : 0 to 34 IU/L
ALKALINE PHOSPHATES	60	IU/L	Male : 57 to 111 IU/L Female : 50 to 143 IU/L
TOTAL PROTEIN	7.0	g/dL	6.4 - 7.8
ALBUMIN	4.0	g/dL	3.5 - 5.2
GLOBULIN	3.0	g/dL	

CARD

MALARIA CARD METHOD NEGATIVE

CARD TEST

DENGUE	-
DENGUE IGG	NEGATIVE
DENGUE IGM	NEGATIVE

Verified by

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Bill No : -

Report Date: -

Test Name/Method	Result	Unit	Reference Value
DENGUE NS1	NEGATIVE		

SEROLOGY

DAL SLIDE TEST:

SALMONELLA TYPHI O	1 : 20 NEGATIVE
SALMONELLA TYPHI H	1 : 80 POSITIVE
SALMONELLA PARATYPHI AH	1 : 20 NEGATIVE
SALMONELLA PARATYPHI BH	1 : 20 NEGATIVE

-- END OF THE REPORT--

Verified by

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(a Unit of Dr. Ganesan's Hitech Diagnostic Centre Pvt. Ltd.,)

No.9, Abdul Kafarkhan Road, Chinna Chokkikulam, Madurai - 625 002. Ph : 0452 429 5259 Mob.: 93443 15551



NABL Certified Lab

ICMR Approval No: HIDIACDGHMTN

Patient : P0021470 **Mr. THIRUNELVELI PERUMAL (69/M)**

SID.No. : **007613**

SID Date : 08/06/2021

Branch : **NAGERCOIL**

Reg Time : 11:08:55

Referrer : **SUBAM SPECIALITY HOSPITAL**

Report Date : 08/06/2021

NAGERCOIL - 629 001

Report Time : 12:15:54

Ph : 272146

Page Number : 1 / 1

Re-print

Test	Result	Biological Reference Interval
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TEST REPORT

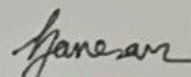
BLOOD - BIOCHEMISTRY

ELECTROLYTES (SERUM)

Specimen : SERUM

Method : ISE

Sodium (Na+)	:	133.4 mmol/L	136 - 148
Potassium (K+)	:	3.9 mmol/L	3.5 - 5.0
Chlorides (Cl-)	:	100.8 mmol/L	95 - 103
Bicarbonate (HCO ₃)	:	25.6 mmol/L	20 - 28


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Medical Director

* End Of Report *

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