

Sample Collection Date 21-04-2021 15:27 **DDL Center** Dr.Dangs Lab
Lab Ref. No. 210101176
Name MS. SHELLY CHAHAL **Age / Sex** 48 Years / FEMALE

Test (Methodology) **Result** **Biological Reference Interval**

IMMUNO ASSAYS

THYROID PROFILE

FREE TRIIODOTHYRONINE [FT3], Serum[ECLIA]	2.23 pg/mL	2.00-4.40
FREE THYROXINE [FT4], Serum[ECLIA]	0.98 ng/dL	0.93-1.70
® T.S.H.[ULTRASENSITIVE], Serum[ECLIA]	5.54 µIU/mL	0.27-4.20

• Thyroid profile is done to evaluate thyroid gland function and help diagnose thyroid disorders causing hypothyroidism (decreased thyroid activity) and hyperthyroidism (increased thyroid activity).

• The most common causes of thyroid dysfunction are autoimmune diseases. Graves-disease causes hyperthyroidism and Hashimoto thyroiditis causes hypothyroidism. Both hyperthyroidism and hypothyroidism can also be caused by thyroiditis, thyroid cancer.

• Assays detecting unbound or free form of thyroid hormones are highly sensitive to detect thyroid dysfunction. They reflect the active form of the hormone, unaffected by non-thyroidal factors.

• The FT3 and FT4 levels fluctuate significantly during birth and can remain much higher than adult values during the first month after birth. Proper clinical interpretation and correlation of the reports in neonates is mandatory and preterm thyroid profiles should be interpreted with caution.

Biological reference Interval:

Age Group	FT3 in pg/mL	FT4 in ng/dL	TSH in uIU/ml
<12 months	2.9 - 6.8	1.1 - 2.0	1.36 - 8.8
1 - 6 Years	2.5 - 5.3	0.9 - 1.7	0.85 - 6.5
7 - 12 Years	2.5 - 5.6	1.1 - 1.7	0.28 - 4.3
13 - 17 Years	2.4 - 5.0	1.1 - 1.8	0.28 - 4.3
Adults	2.0 - 4.4	0.93 - 1.7	0.27 - 4.2
Cord Blood>37 Weeks	Not available	1.1 - 2.0	2.3 - 13.2

Pregnancy	FT3 in pg/mL	FT4 in ng/dL	TSH in uIU/mL (As per American Thyroid Association)
1st Trimester	2.5 - 3.9	0.9 - 1.5	0.100 - 2.500
2nd Trimester	2.1 - 3.6	0.8 - 1.3	0.200 - 3.000
3rd Trimester	2.0 - 3.3	0.7 - 1.2	0.300 - 3.000

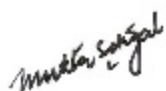
NOTE: TSH LEVELS ARE SUBJECT TO CIRCADIAN VARIATION, REACHING PEAK LEVELS BETWEEN 2-4 A.M. AND AT A MINIMUM BETWEEN 6-10 P.M. THE VARIATION IS OF THE ORDER OF 50 TO 206%, HENCE TIME OF THE DAY HAS INFLUENCE ON THE MEASURED SERUM TSH CONCENTRATIONS. (REF: TETZ TEXTBOOK OF CLINICAL CHEMISTRY AND MOLECULAR DIAGNOSTICS-5TH EDITION Page 123). FLUCTUATING TSH VALUES SHOULD BE CLINICALLY CORRELATED.

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**** End of IMMUNO ASSAYS Report ****

® MARKED RESULT IS RECHECKED AND VERIFIED

DR. MUKTA SEHGAL
H.O.D. (BIOCHEMISTRY)
(Authorised Signatory)Authentication : 21-04-2021 17:40
Printed on : 21-04-2021 18:39DR. MANAVI DANG
M.D. (PATHOLOGY)
(Associate Director)

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MICROBIOLOGY

SARS-COV-2 QUANTITATIVE IGG ANTIBODIES, SERUM (CLIA)

SARS-CoV-2 QUANTITATIVE IgG ANTIBODIES

<3.80 AU/ml

INTERPRETATION:

NEGATIVE

INTERPRETATION:

AU/mL	Results	INTERPRETATION
< 12.0	Negative	A negative result may indicate the absence of IgG antibodies or a very low level of IgG antibodies to the pathogen AND/OR vaccination against it (below detection limit of the assay). The test could score negative in infected patients during the incubation period and in the early stages of infection AND/OR vaccination against SARS-CoV-2. A repeat testing should be done in such patients after minimum 2 weeks to conclude serological status.
≥12.0 to < 15.0	Equivocal	A second sample should be collected and tested one to two weeks later.
≥ 15.0	Positive	A positive result generally indicates exposure of the subject to the SARS-CoV-2 AND/OR seroconversion post-vaccination.

1. The LIAISON® SARS-CoV-2 S1/S2 IgG uses indirect chemiluminescence immunoassay (CLIA) technology for the QUANTITATIVE DETERMINATION OF ANTI-S1 AND ANTI-S2 SPECIFIC IgG ANTIBODIES TO SARS-COV-2 IN HUMAN SERUM OR PLASMA SAMPLES. This is an USFDA-EUA and CE approved assay.

2. IgG ANTIBODY TEST RESULTS SHOULD ONLY BE INTERPRETED FOR SURVEILLANCE AND NOT AS A SOLE PARAMETER FOR DIAGNOSIS OF SARS-CoV-2 INFECTION.

3. The Spike (S) protein comprises of two functional subunits responsible for binding to the host cell receptor (S1 subunit) and fusion of the viral and cellular membranes (S2 subunit).

4. THE ASSAY IS INTENDED AS AN AID IN THE STUDY OF THE IMMUNE STATUS OF INDIVIDUALS BY PROVIDING AN INDICATION OF THE PRESENCE OF ANTI S1 AND ANTI S2 IGG NEUTRALIZING ANTIBODIES AGAINST SARS-COV-2, IN COVID-19 POSITIVE PATIENTS AND/OR POST-VACCINATION AGAINST SARS-COV-2. DUE TO THE RECENT DISCOVERY OF THE SARS-COV-2 AND THE LACK OF DATA ON PATIENTS, IT IS STILL NOT KNOWN WHETHER SUCH IMMUNE RESPONSE WILL BE LONG LASTING/ OR SUCH ANTIBODIES WILL CONFER IMMUNITY AGAINST RE-INFECTION BY THE VIRUS.

5. This assay is usually recommended after minimum of 2 weeks of exposure/infection/onset of symptoms or post vaccination.

6. Results from the LIAISON® SARS-CoV-2 S1/S2 IgG test should only be interpreted in conjunction with clinical findings, and the results from other laboratory tests, evaluations and immunization status.

7. REAL TIME RT-PCR IS THE GOLD STANDARD TEST FOR DIAGNOSIS OF COVID-19 VIRUS (SARS-COV-2).

METHODOLOGY: CHEMILUMINESCENCE IMMUNOASSAY (Indirect)

EQUIPMENT: LIAISON XL

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**** End of MICROBIOLOGY Report ****

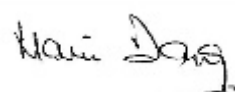


DR. SWATI JAIN
M.D (MICROBIOLOGY)
(Authorised Signatory)

Authentication : 21-04-2021 17:48
Printed on : 21-04-2021 18:39



DR. DEVJANI DE
M.D. (MICROBIOLOGY)
(Authorised Signatory)



PROF (DR) NAVIN DANG
M.D.
(Director)

CONDITIONS OF REPORTING

- ▶ In case of alarming or unexpected test results you are advised to contact the laboratory immediately for further discussions and action. Laboratory results are meant to be correlated with the patient's clinical history.
- ▶ The report will carry the name and age provided at the time of registration.
- ▶ Reporting of tests will be as per defined laboratory turn around time for each test. The same will be informed to the patient during first point of contact i.e. registration or phlebotomy as the case may be.
- ▶ Test results & reference ranges vary depending on the technology and methodology used.
- ▶ Rarely a second sample may be requested for an indeterminate result or any other pre-analytical / analytical reason.
- ▶ Reports can be received either as a hard copy or an email on your personal ID. Reports can also be delivered via courier. Payments can be made online on our website. Only reports with no pending payments are mailed, uploaded or dispatched.
- ▶ Reports can also be accessed via Dr. Dangs lab website or through the Dr. Dangs mobile application on IOS and android using the unique ID and password provided to you during registration or received by you via SMS.
- ▶ Home collection sample facility is provided with prior appointment. Request for same to be given on 999-999-2020, booked online on www.drdangslab.com or through the Dr. Dangs mobile application on IOS and android.
- ▶ A digital invoice for tests performed is available on our website and can be accessed by using the unique I.D. and password provided.
- ▶ To maintain confidentiality, certain reports may not be mailed at the discretion of the management.
- ▶ In case of any queries pertaining to your test results or to provide feedback/suggestions please call us on 01145004200 or mail us at info@drdangslab.com.
- ▶ 48 hour notice is required for the issuing of slides and blocks.
- ▶ Test results are not valid for medico legal purposes.
- ▶ The courts (forums) at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the tests and/or results of the tests.
- ▶ * For any change in timings, please visit our website.



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