

Patient Name : Mr MR.DUMMY

DOB/Age/Gender : 23 Y/Male

Patient ID / UHID : 8053357/RCL7248095

Referred By : Dr. Dr. X

Sample Type : Serum

Sample Collected : Apr 26, 2024, 01:00 PM

Report Date : May 25, 2024, 12:09 PM.

Barcode No : SI484333

Report Status : Final Report

| Test Description | Value(s) | Unit(s) | Reference Range |
|------------------|----------|---------|-----------------|
|------------------|----------|---------|-----------------|

**Diphtheria IgG Antibody**

|                               |      |       |      |
|-------------------------------|------|-------|------|
| Diphtheria Antibody IgG (EIA) | 0.02 | IU/mL | <0.1 |
|-------------------------------|------|-------|------|

**Interpretation:**

| RESULT IN IU/mL | REMARKS                              |
|-----------------|--------------------------------------|
| <0.1            | Non-Protective/Unvaccinated/Negative |
| >0.1            | Protective/Vaccinated/Positive       |

**Note**

1. This assay is used for quantitative detection of IgG antibodies to *Corynebacterium diphtheriae* in serum samples.
2. Positive results indicates presence of Diphtheria-Antitoxin-IgG-antibody in patient's sample. It helps in determining the necessity of vaccination and for checking the success of vaccination.
3. The recommendations correspond to the specifications provided by the WHO for long-term immunization (antibody concentration > 1.0 IU/ml).
4. Negative results indicates absence of Diphtheria-Antitoxin-IgG-antibody in patient's sample. It may be as a result of lack of or no response to vaccination.
5. An absence of antibody formation post-vaccination may relate to immune deficiency disorders, either congenital or acquired, or iatrogenic due to immunosuppressive drugs.
6. The test is not suitable for laboratory diagnosis of infection with *Corynebacterium diphtheriae* but only indicates the immunization status.
7. The result should be interpreted in conjunction with clinical findings, epidemiological data and other diagnostic tests.
8. The magnitude of the measured result is not indicative of the amount of antibody present.

**Comments**

Diphtheria is caused by *Corynebacterium diphtheriae*, an aerobic, non-sporulating rod bacterium. The virulence of *Corynebacterium diphtheriae* is derived from the diphtheria toxin. Humans are the only reservoir for the bacterium. Active immunization is the method of choice for the prevention of diphtheria. The immunity produced by the antitoxin largely prevents the illness but not the infection so that there can also be carriers among those who have been vaccinated.

| RESULT (IU/mL) | RECOMMENDED VACCINATION         |
|----------------|---------------------------------|
| <0.1           | Basic immunization recommended  |
| 0.1 - 1.0      | Booster vaccination recommended |
| 1.0 - 1.5      | Booster vaccination in 5 years  |
| 1.5 - 2.0      | Booster vaccination in 7 years  |
| >2.0           | Booster vaccination in 10 years |

\*\*\* End Of Report \*\*\*

**Disclaimer:** Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.

**Dr. Dummy**

Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI

Processing Lab :-

 928-909-0609 ccsupport@redcliffelabs.com www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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