DxTerity®

COVID-19 Neutralizing Antibody Test

Neutralizing Antibody Results

Negative — Positive

Your Value
25,000U/ml

TEST NAME	RESULT	VALUE
Neutralizing Antibody Test	**Positive**	**25,000U/ml**

Anti-SARS-CoV-2 Competitive Viral Neutralization Test (cVNT): A Blocking Enzyme-Linked Immunosorbent Assay (ELISA) intended for the semi-quantitative detection of total neutralizing antibodies to SARS-CoV-2 (COVID-19).[1]

1. This test is intended as an aid in identifying individuals with an adaptive immune response to COVID-19, indicating recent or prior infection. This semiquantitative COVID-19 cVNT antibody test provides a positive or negative result and a numerical value that can show your immune response over time if you use the same test.

2. A Neutralizing Antibody (NAb) is an antibody that is responsible for defending cells from pathogens, which are microorganisms that cause infection. They are produced naturally by the body as part of its immune response, and their production is triggered by both infections and vaccinations against infection.[2]

3. SARS-CoV-2 Neutralizing Antibodies have been shown to be predictive of immune protection against symptomatic SARS-CoV-2 infection.[3-5]

4. Individuals with COVID-19 immune response from vaccination or infection may still have significant immunity in the absence of detectable neutralizing antibodies.[3]

ORDERING PHYSICIAN

Name:	Dr. John Smith
NPI #:	1234567
Address:	123 Sampleton Road
	Suite 101, Sampleton, CA 95959
CPT Codes:	000XX1

SPECIMEN INFORMATION

Specimen Type:	Blood
Accession #:	P000001139
Collection Date:	05 | 22 | 2022
Accession Date:	05 | 22 | 2022
Report Date:	05 | 22 | 2022

PATIENT INFORMATION

Name:	Jane Q. Sample
Date of Birth:	05 | 22 | 2022
Patient ID/MRN:	483474
Gender:	Female
Requisition #:	2948376

References:
1. Tan C.W. et al A SARS-CoV-2 surrogate virus neutralization test based on antibody-mediated blockage of ACE-2-spike protein-protein interaction. Nat. Biotechnol. (2020)
2. https://www.news-medical.net/health/What-are-Neutralizing-Antibodies.aspx
3. Khoury DS, Neutralizing antibody levels are highly predictive of immune protection from symptomatic SARS-CoV-2 infection, Nat Med (2021). https://doi.org/10.1038/s41591-021-01377-8
4. DxTerity White Paper – SARS-CoV-2 Neutralizing Antibody Levels Provide Estimate of COVID-19 Protection Following Vaccination or Infection. DxTerity Data on File.
5. Abedi MR, et al. 2021. Predicting COVID-19 Vaccine Efficacy from Neutralizing Antibody Levels. medRxiv reprint 2021.10.13.21264921; doi: https://doi.org/10.1101/2021.10.13.21264921

Laboratory Director: Fabiola Medeiros, MD

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

CAP #8680553

CLIA #05D2054007
Page 1 of 1

DxTerity®

COVID-19 Neutralizing Antibody Test

TEST NAME	RESULT	VALUE
Neutralizing Antibody Test		**Below Limit of Detection**

Anti-SARS-CoV-2 Competitive Viral Neutralization Test (cVNT): A Blocking Enzyme-Linked Immunosorbent Assay (ELISA) intended for the semi-quantitative detection of total neutralizing antibodies to SARS-CoV-2 (COVID-19).[1]

1. This test is intended as an aid in identifying individuals with an adaptive immune response to COVID-19, indicating recent or prior infection. This semiquantitative COVID-19 cVNT antibody test provides a positive or negative result and a numerical value that can show your immune response over time if you use the same test.

2. A Neutralizing Antibody (NAb) is an antibody that is responsible for defending cells from pathogens, which are microorganisms that cause infection. They are produced naturally by the body as part of its immune response, and their production is triggered by both infections and vaccinations against infection.[2]

3. SARS-CoV-2 Neutralizing Antibodies have been shown to be predictive of immune protection against symptomatic SARS-CoV-2 infection.[3-5]

4. Individuals with COVID-19 immune response from vaccination or infection may still have significant immunity in the absence of detectable neutralizing antibodies.[3]

ORDERING PHYSICIAN

Name:	Dr. John Smith
NPI #:	1234567
Address:	123 Sampleton Road
	Suite 101, Sampleton, CA 95959
CPT Codes:	000XX1

SPECIMEN INFORMATION

Specimen Type:	Blood		
Accession #:	P000001139		
Collection Date:	05	22	2022
Accession Date:	05	22	2022
Report Date:	05	22	2022

PATIENT INFORMATION

Name:	Jane Q. Sample			
Date of Birth:	05	|	22	| 2022
Patient ID/MRN:	483474			
Gender:	Female			
Requisition #:	2948376			

Disclaimer: This test was developed, and its performance characteristics determined by DxTerity Diagnostics in a manner consistent with CLIA requirements. It has not been cleared or approved by the U.S. Food and Drug Administration. The information contained in this report is intended to be interpreted by a licensed physician or other licensed healthcare professional. This report is not intended to take the place of professional medical advice. Decisions regarding course of medical treatment must be made only after consulting with a licensed physician or other licensed healthcare professional and should consider each patient's medical history. Validation was performed by DxTerity Diagnostics Inc. CLIA # 05D2054007 on an open automated ELISA system.

References:
1. Tan C.W. et al A SARS-CoV-2 surrogate virus neutralization test based on antibody-mediated blockage of ACE-2-spike protein-protein interaction. Nat. Biotechnol. (2020)
2. https://www.news-medical.net/health/What-are-Neutralizing-Antibodies.aspx
3. Khoury DS, Neutralizing antibody levels are highly predictive of immune protection from symptomatic SARS-CoV-2 infection, Nat Med (2021). https://doi.org/10.1038/s41591-021-01377-8
4. DxTerity White Paper – SARS-CoV-2 Neutralizing Antibody Levels Provide Estimate of COVID-19 Protection Following Vaccination or Infection. DxTerity Data on File.
5. Abedi MR, et al. 2021. Predicting COVID-19 Vaccine Efficacy from Neutralizing Antibody Levels. medRxiv reprint 2021.10.13.21264921; doi: https://doi.org/10.1101/2021.10.13.21264921

DxTerity®

COVID-19 Neutralizing Antibody Test

Neutralizing Antibody Results

Negative | Positive

Negative

TEST NAME	RESULT	VALUE
Neutralizing Antibody Test	**Negative**	**Below Limit of Detection**

Anti-SARS-CoV-2 Competitive Viral Neutralization Test (cVNT): A Blocking Enzyme-Linked Immunosorbent Assay (ELISA) intended for the semi-quantitative detection of total neutralizing antibodies to SARS-CoV-2 (COVID-19).[1]

1. This test is intended as an aid in identifying individuals with an adaptive immune response to COVID-19, indicating recent or prior infection. This semiquantitative COVID-19 cVNT antibody test provides a positive or negative result and a numerical value that can show your immune response over time if you use the same test.
2. A Neutralizing Antibody (NAb) is an antibody that is responsible for defending cells from pathogens, which are microorganisms that cause infection. They are produced naturally by the body as part of its immune response, and their production is triggered by both infections and vaccinations against infection.[2]
3. SARS-CoV-2 Neutralizing Antibodies have been shown to be predictive of immune protection against symptomatic SARS-CoV-2 infection.[3-5]
4. Individuals with COVID-19 immune response from vaccination or infection may still have significant immunity in the absence of detectable neutralizing antibodies.[3]

ORDERING PHYSICIAN

Name:	Dr. John Smith
NPI #:	1234567
Address:	123 Sampleton Road
	Suite 101, Sampleton, CA 95959
CPT Codes:	000XX1

SPECIMEN INFORMATION

Specimen Type:	Blood
Accession #:	P000001139
Collection Date:	05 22 2022
Accession Date:	05 22 2022
Report Date:	05 22 2022

PATIENT INFORMATION

Name:	Jane Q. Sample
Date of Birth:	05 | 22 | 2022
Patient ID/MRN:	483474
Gender:	Female
Requisition #:	2948376

References:
1. Tan C.W. et al A SARS-CoV-2 surrogate virus neutralization test based on antibody-mediated blockage of ACE-2-spike protein-protein interaction. Nat. Biotechnol. (2020)
2. https://www.news-medical.net/health/What-are-Neutralizing-Antibodies.aspx
3. Khoury DS, Neutralizing antibody levels are highly predictive of immune protection from symptomatic SARS-CoV-2 infection, Nat Med (2021). https://doi.org/10.1038/s41591-021-01377-8
4. DxTerity White Paper – SARS-CoV-2 Neutralizing Antibody Levels Provide Estimate of COVID-19 Protection Following Vaccination or Infection. DxTerity Data on File.
5. Abedi MR, et al. 2021. Predicting COVID-19 Vaccine Efficacy from Neutralizing Antibody Levels. medRxiv reprint 2021.10.13.21264921; doi: https://doi.org/10.1101/2021.10.13.21264921

Laboratory Director: Fabiola Medeiros, MD

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

CAP #8680553

CLIA #05D2054007
Page 1 of 1