

Datasheet: BUF030C

Description:	5x ELISA COATING BUFFER
Name:	5x ELISA COATING BUFFER
Format:	5 X Concentrate
Product Type:	Accessory Reagent
Quantity:	1000 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only.

Product Form

5 x concentrate - liquid

Preservative Stabilisers

<0.5% sodium azide (NaN₃)

Intended Use

BUF030C is a proprietary pH 7.8 - 8.2 coating buffer for use in all ELISA formats. Designed to stabilize the tertiary structure of the antibody or antigen and maximize adsorption onto polystyrene plates. It is especially effective in sandwich ELISA, preserving the antigen recognition regions of the coating antibody, allowing greater binding reactivity.

BUF030C contains an antimicrobial agent allowing coating to be performed at room temperature. Dried plates can be kept at 4°C for long term storage.

Instructions For Use

1. Dilute the required volume of BUF030C 1:5 with deionised water and mix for 5-15 minutes to prepare the working solution.
2. Add antibody or antigen to the working solution and mix for 5-15 minutes.
3. Coat plate (suggested volume 100-200µl per well) and incubate at room temperature for 6-24 hours, protected from light and covered to avoid evaporation.

References

1. Böröcz, K. *et al.* (2022) Dynamic Features of Herd Immunity: Similarities in Age-Specific

Anti-Measles Seroprevalence Data between Two Countries of Different Epidemiological History. [J Clin Med. 11 \(4\): 1145.](#)

2. Hayden, Z. *et al.* (2021) Toll-Like Receptor Homolog CD180 Expression Is Diminished on Natural Autoantibody-Producing B Cells of Patients with Autoimmune CNS Disorders. [J Immunol Res. 2021: 9953317.](#)

3. Szinger, D. *et al.* (2024) Raising Epidemiological Awareness: Assessment of Measles/MMR Susceptibility in Highly Vaccinated Clusters within the Hungarian and Croatian Population—A Sero-Surveillance Analysis [Vaccines. 12 \(5\): 486.](#)

4. Vanpouille, C. *et al.* (2024) HIV-1 Nef is carried on the surface of extracellular vesicles. [J Extracell Vesicles. 13 \(7\): e12478.](#)

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate, heat gently until dissolved. Do not boil.
----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

Guarantee	Guaranteed until date of expiry. Please see product label.
------------------	------------------------------------------------------------

Health And Safety Information	Material Safety Datasheet documentation #10383 available at: https://www.bio-rad-antibodies.com/SDS/BUF030C 10383
--------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Regulatory	For research purposes only
-------------------	----------------------------

Related Products

Recommended Useful Reagents

[10x ELISA WASH BUFFER \(BUF031A\)](#)

[ELISA BSA BLOCK \(BUF032A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M431212:240702'

Printed on 19 Aug 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)