

## Datasheet: BUF030A

**BATCH NUMBER 172359**

<b>Description:</b>	5x ELISA COATING BUFFER
<b>Name:</b>	5x ELISA COATING BUFFER
<b>Format:</b>	5 X Concentrate
<b>Product Type:</b>	Accessory Reagent
<b>Quantity:</b>	100 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](http://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 (NaN<sub>3</sub>)

**Intended Use** BUF030A is a proprietary coating buffer with pH 7.8 - 8.2 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.

BUF030A 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 BUF030A 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.](#)

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### Storage

This product is shipped at ambient temperature.  
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.

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### Guarantee

Guaranteed until date of expiry. Please see product label.

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### Health And Safety Information

Material Safety Datasheet documentation #10383 available at: <https://www.bio-rad-antibodies.com/SDS/BUF030A>

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### Regulatory

For research purposes only

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## Related Products

### Recommended Useful Reagents

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

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

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