

## Datasheet: BUF038A

**BATCH NUMBER 164638**

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | ELISA IgM REDUCING ASSAY DILUENT |
| <b>Name:</b>         | ELISA IgM REDUCING ASSAY DILUENT |
| <b>Format:</b>       | Ready To Use                     |
| <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 | ▪   |    |                | Neat               |

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. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

|                                     |  |
|-------------------------------------|--|
| <b>Product Form</b>                 | Ready to use - liquid                            |
| <b>Buffer Solution</b>              | Phosphate buffered saline                        |
| <b>Preservative<br/>Stabilisers</b> | 0.10% Sodium Azide<br>1-5% Sodium Metabisulphite |

### Intended Use

BUF038A is an ELISA assay diluent designed to reduce background noise and assist in matrix equalization in problematic serum and plasma samples, especially those affected by high levels of “sticky” IgM which can non-specifically bind the HRP conjugate. Specially formulated for use in sandwich ELISA, it contains mammalian protein additives based on normal goat serum to reduce non-specific interactions between sample proteins and the plate surface.

The difference in complexity, between serum or plasma samples and diluted standard curve proteins, is a potential cause of target analyte under-recovery. BUF038A equalizes the matrix, reduces IgM-mediated bridging interference, inhibits complement and thrombin activity and contains an antimicrobial agent.

|                             |   |
|-----------------------------|---|
| <b>Instructions For Use</b> | Pipette buffer directly onto the plate, just prior to adding the sample or standard |
|-----------------------------|---|

(suggested volume 50 - 100ul/well).

NB. Since this buffer contains proteins derived from goat, BUF038A is not recommended for ELISA where an anti goat secondary antibody is used.

|                               |   |
|-------------------------------|---|
| References                    | 1. Böröcz, K. <i>et al.</i> (2022) Dynamic Features of Herd Immunity: Similarities in Age-Specific Anti-Measles Seroprevalence Data between Two Countries of Different Epidemiological History. <a href="#">J Clin Med. 11 (4): 1145.</a> |
| Storage                       | Store at +4°C.<br><br>DO NOT FREEZE   |
| Guarantee                     | Guaranteed until date of expiry. Please see product label.  |
| Health And Safety Information | Material Safety Datasheet documentation #10376 available at: <a href="https://www.bio-rad-antibodies.com/SDS/BUF038A">https://www.bio-rad-antibodies.com/SDS/BUF038A</a><br>10376   |
| Regulatory                    | For research purposes only  |

## Related Products

### Recommended Useful Reagents

[5x ELISA COATING BUFFER \(BUF030A\)](#)

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

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

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'M371193:200602'

**Printed on 18 Jan 2024**