

## Datasheet: OBT1999G

**BATCH NUMBER 172295**

|                      |                              |
|----------------------|------------------------------|
| <b>Description:</b>  | ELISA NEPTUNE SAMPLE DILUENT |
| <b>Name:</b>         | ELISA NEPTUNE SAMPLE 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.

#### Product Form

Ready to use - liquid.

#### Preservative Stabilisers

0.1% Sodium Azide (NaN<sub>3</sub>)

#### Intended Use

**ELISA Neptune Sample Diluent** is a non-mammalian protein based diluent highly recommended for use with serum or plasma samples from mouse, porcine or bovine sources in antigen-down ELISAs, and human or other mammalian samples in sandwich ELISAs. OBT1999G dilutes highly concentrated samples into the functional range of the assay, preventing overloading of the coating proteins. It also performs well as a protein diluent in standard curve preparation. The proprietary additives in a buffered PBS base minimize non-specific adsorption of serum IgG to the coated plate. This can be an issue with the highly glycosylated “sticky” porcine serum IgG, leading to high background noise. An antimicrobial agent provides a solution free of bacterial contamination.

#### Instructions For Use

Dilute samples as required before addition to ELISA plate. Highly concentrated samples may need to be diluted 1:100 or more.

#### References

1. Malinowska, M. *et al.* (2024) Efficacy of a Combination Therapy with Laronidase and Genistein in Treating Mucopolysaccharidosis Type I in a Mouse Model [Int J Mol Sci. 25](#)

(4): 2371.

2. Vanhoutte, L. *et al.* (2017) MRI Assessment of Cardiomyopathy Induced by  $\beta$ 1-Adrenoreceptor Autoantibodies and Protection Through  $\beta$ 3-Adrenoreceptor Overexpression. [Sci Rep. 7: 43951.](#)

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| <b>Storage</b>                       | This product is shipped at ambient temperature.<br>Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted.  |
| <b>Guarantee</b>                     | Guaranteed until date of expiry. Please see product label.  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10389 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/OBT1999G">https://www.bio-rad-antibodies.com/SDS/OBT1999G</a> |
| <b>Regulatory</b>                    | For research purposes only  |

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## Related Products

### Recommended Useful Reagents

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

[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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