



**Microbix Biosystems Inc.**

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*Product Name:*

**Epstein-Barr Viral Capsid Antigen (EBV-VCA), Purified.**

*Catalogue Number:* EL-16-06

*Storage:* Store this antigen preparation frozen at - 70 °C to - 100 °C. Repeated freezing and thawing should be avoided.

*Hazards:* We are aware of no specific hazards associated with this product. Generally accepted good laboratory practices appropriate to biological reagents should be employed when handling this product.

*Buffer:* 20mM Tris-HCl with 3M MgCl<sub>2</sub>; pH 7.4

*Preparation:* Chronically infected cells are harvested by centrifugation and disrupted by sonication and cell debris is removed by centrifugation. This lysate is purified on an immunoaffinity column using a monoclonal antibody against gp125.

*Recommendations for Use:* This preparation may be used in a variety of immunoassay formats including microwell ELISA.

*Assistance:* If you have any questions regarding the production, testing or use of this antigen, please send them by e-mail to [customer.service@microbix.com](mailto:customer.service@microbix.com) or fax 905-361-8911, with any relevant data, to Microbix Technical Services. Your complete satisfaction with the performance of this product is important to us.

## Quality Control Information

*Product Name:* Epstein-Barr Viral Capsid Antigen (EBV-VCA)      *Lot Number:* 16093A1

Microbix performs qualitative and quantitative tests on all antigens. Test results are provided with each lot of antigen shipped. Antigen users require this information for a number of reasons:

- to maintain a record for good manufacturing purposes,
- to correlate user results with Microbix results and
- for use as a starting point for those just starting with either a new antigen or developing a new assay.

It is important that each user perform titrations of antigen using their own assay as each assay format and serum release panel makes different performance demands on the antigen. Often, use of an antigen may be optimized by making adjustments to concentrations of other assay reagents such as conjugate. Once this is complete the result is cost effective use of the antigen and optimal assay performance.

*Test:*

*Activity:* This antigen preparation is highly active as solid antigen in a standardized in-house microtiter plate ELISA when coated at a concentration about 50ng of antigen/mL DPBS (100uL/well).

*Protein:* Protein is determined using the Biorad dye binding assay in the microassay format. The standard curve is generated with a known concentration of IgG.

*Result:* 30.0 µg/mL



Quality Assurance Signature:

29-June, 2011