



## Product Information Sheet

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**Product Name:** P3H3 Cell Extract

**Catalogue Number:** EL-16-03

**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.

**Cultured In:** P3H3 Human Burkitt's Lymphoma cells

**Buffer:** Tris with NP40, sodium deoxycholate and PMSF

**Inactivation:** Detergent inactivation by lysis. Infectivity assay is not performed. Detergent treatment of P3H3 cells disrupts cellular and viral membranes and consequently renders the material non-infectious. For more information refer to [http://who.int/bloodproducts/publications/WHO\\_TRS\\_924\\_A4.pdf](http://who.int/bloodproducts/publications/WHO_TRS_924_A4.pdf)

**Preparation:** Chronically infected cells are harvested by centrifugation and disrupted by sonication and cell debris is removed by centrifugation.

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

## Quality Control Information

**Product Name:** P3H3 Cell Extract

**Lot Number:** 16XXXXX

Microbix performs qualitative and quantitative tests on all developmental 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:**

**Titre:** This antigen preparation is titrated using an in-house microtitre plate based Antigen Capture Assay. Antigens are tested for reactivity with a monoclonal antibody. The dilution of antigen which generates a signal of 1.0 O.D. unit is compared to that of the standard in-house reference antigen. The result of this comparison is expressed as a percentage of the reference.

**Result:** XXX mg/mL

**Protein Concentration:** 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:** XXX mg/mL

Quality Assurance Signature:

Date:



**Assistance:** If you have any questions regarding the production, testing or use of this antigen, please send them by email 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.