alamarBlue® Recommended References:

此处列出的是关于 alamar blue 的一些文章和指导资料，适用于愿意了解更多关于阿尔玛蓝的详细方法、用途和优势的科研工作者。

Comparison of alamarBlue to MTT assays （与 MTT 法的比较文章）

It has been shown by Hamid *et al.* in 2004, that alamarBlue is more sensitive than 3-[4,5-dimethylthiazol-2-yl]-2,5-diphenyl tetrazolium bromide (MTT) for most of the drug compounds they tested in HepG2 cell viability assays.

- Hamid, R. *et al.* (2004). Comparison of alamar blue and MTT assays for high through-put screening. Toxicol In Vitro. 18(5):703-10
- Alley, M.C. *et al.* (1988). Feasibility of Drug Screening with Panels of Human Tumor Cell Lines Using a Microculture Tetrazolium Assay. Cancer Res. 48: 589-601

Comparison of alamarBlue to XTT assays （与 XTT 法的比较文章）

- Pagé *et al.* in 1993 describe how alamarBlue showed comparable results to the XTT formazan assay, that alamarBlue was more economical and faster at producing results. It was also highlighted that MTT and XTT are low in sensitivity, expensive and harmful reagents compared to alamarBlue.
- Pagé, B. *et al.* (1993). A new Fluorometric Assay for Cytotoxicity Measurements In Vitro. Int. J. Oncology 3: 473-476

Comparison of alamarBlue to $^{[3H]}$ thymidine incorporation assay （与 3H-胸腺嘧啶核苷酸掺入法的比较文章）

A study on the use of alamarBlue with peripheral blood mononuclear cells (PBMC) by De Fries *et al.* 1995 showed that the alamarBlue assay reliably detects human PBMC, and the results were highly reproducible. Ahmed *et al.* in 1994 describe the use of alamarBlue to monitor and determine the proliferation of murine lymphocytes, lymphoid tumor and hybridoma cells. Cell proliferation can be determined by color change using an ELISA plate reader after alamarBlue is added during the initial phase of cell culture. It was determined that alamarBlue gave comparable results to the [3H]thymidine incorporation assay.

The summary of alamarBlue advantages over the [3H]thymidine incorporation assay include:

- Non-radioactive
- Simplicity
- Less costly
- Non-labor intensive
- rapidity of assessment of proliferation of large number of samples
- non-toxicity
- usefulness in determining the kinetics of cell growth of hybridomas
- non-interference of secretion of antibodies by a hybridoma cell line
- Ahmed, S.A. *et al.* (1994). A new Rapid and Simple Non-Radioactive assay to Monitor and Determine the proliferation of Lymphocytes: An Alternative to H3-thymidine incorporation assay. J. Immunol. Methods.170:211-24
- De Fries, R. *et al.* (1995). Quantification of Mitogen Induced Human Lymphocyte Proliferation: Comparison of alamarBlueTM to 3H-Thymidine Incorporation Assay. J. Clin. Lab. Anal. 9: 89-95

Cell proliferation and viability assay articles （细胞增殖和细胞活力检测文章）

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- Foresti, R. *et al.* (2005). Differential Activation of Heme Oxygenase-1 by Chalcones and Rosolic Acid in Endothelial Cells. J. Pharmacol. Exp. Ther. 312: 686-693
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- Adikari, S.B. *et al*. (2004). Interferon-modified Dendritic Cells Suppress B Cell Function and Ameliorate the Development of Experimental Autoimmune Myasthenia Gravis. Clin. Exp. Immunol. 138: 230-236
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