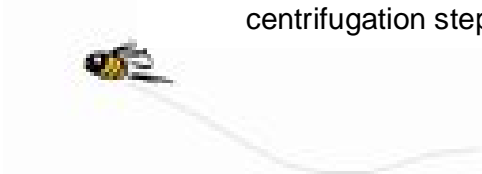


alamar Blue®

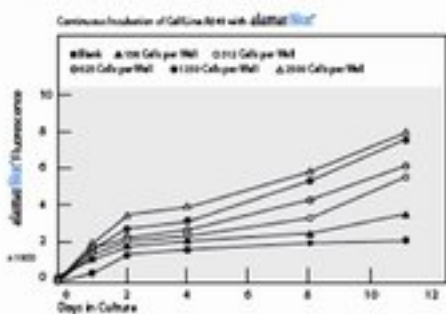


2B Scientific
a dynamic new world of
life-science excellence

- Only stable resazurin-based product with extended incubation time [*Stable up to 5 days, while others tend to auto-reduce within 24 hours*]
- Optimised formulation provides unmatched sensitivity
- Fluorescent and colorimetric indicator dye allows choice of detection methods
- Versatile formulation allows three assays to be performed with one dye: cell growth determination, *in vitro* cytotoxicity and cytokine assays
- Does not inhibit normal cell metabolism
- Safe, nontoxic, indicator dye provides easy disposal options
- Easy to use . no extraction steps or centrifugation steps required for applications

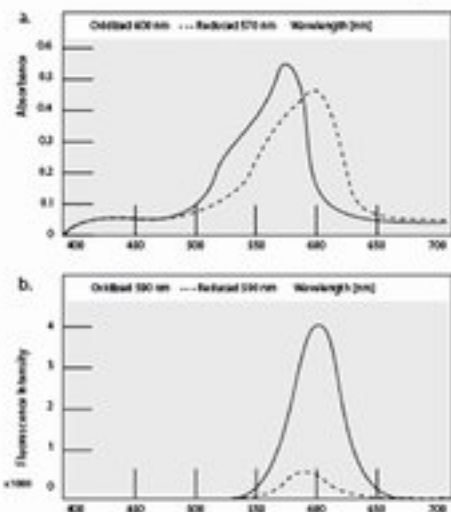


Nontoxic to Cells



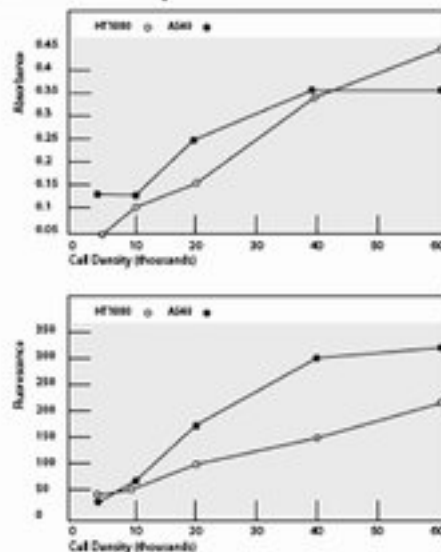
- Continuous culture of A549 cells in alamarBlue. Cells were grown in medium supplemented with FBS and alamarBlue. Increasing fluorescence reflects increasing cell numbers.
- Phenol red and high concentrations of proteins, such as those found in FBS, do not inhibit alamarBlue.

Absorbance/Fluorescence Emission Spectra



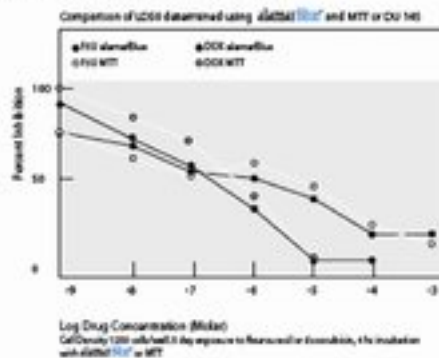
- Absorbance (a) and Fluorescence (b) spectra of alamarBlue in oxidized and reduced states.

Quantitative Response



- Reduction curves showing increased absorbance and fluorescence in proportion to greater cell metabolic activity.

Cytotoxicity Determination



- Comparison of inhibition curves showing the LD50 for 5-fluorouracil and doxorubicin in DU145 cells using alamarBlue or MTT.

Description	Part #
alamarBlue, 25 ml bottle	00-025
alamarBlue, 100 ml bottle	00-100

www.2BScientific.com

Cherwell Innovation Centre, 77 Heyford Park
Upper Heyford, Oxfordshire OX25 5HD UK
T: +44 (0) 1869 238033 F: +44 (0) 1869 238034
E: info@2BScientific.com Company
Registration No. 6924621