

## Deep Blue Cell Viability™ Kit

<b>Catalog# / Size</b>	424701 / 25 mL 424702 / 100 mL
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Resazurin
<b>Description</b>	The Deep Blue Cell Viability™ Kit is formulated to study cell proliferation and quantification. The extent of resazurin reduction and resorufin production is proportional to the number of metabolically active cells (live cells) present in the culture. The Deep Blue Cell Viability™ Kit can facilitate cytotoxicity studies in high-throughput screening, as well as the evaluation of new drugs and chemicals.

### Product Details

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<b>Formulation</b>	Aqueous solution.
<b>Preparation</b>	The solution is filtered through a 0.22 µm membrane that contains no preservatives.
<b>Storage &amp; Handling</b>	Store at 2°C to 8°C for up to 12 months.
<b>Application</b>	<a href="#">FA - Quality tested</a>
<b>Recommended Usage</b>	Add 10% of the Deep Blue Cell Viability™ Kit to the wells containing the cells to study.  For example: in a well containing 100 µl of cell culture, add 10 µl of the Deep Blue Cell Viability™ reagent. Incubate as needed depending on the cell type, which is typically one - six hours.
<b>Application Notes</b>	The Deep Blue Cell Viability™ Kit is based on the resazurin reagent. The typical blue color of resazurin is converted to fluorescence by the action of metabolic enzymes. The reduction of resazurin into resorufin can be detected using a fluorometer (Excitation: 530-570 nm, Emission = 590-620 nm).
<b>Application References</b>	1. Nakayama GR, <i>et al.</i> 1997. <i>J. Immunol. Methods.</i> 2:205. 2. Wilson I, <i>et al.</i> 2000. <i>Eur. J. Biochem.</i> 17:5421.
<b>(PubMed link indicates BioLegend citation)</b>	
<b>Product Citations</b>	1. Khan KA, <i>et al.</i> 2020. <i>NPJ Breast Cancer.</i> 6:29. <a href="#">PubMed</a> 2. Taft J, <i>et al.</i> 2021. <i>Cell.</i> 184(17):4447-4463.e20. <a href="#">PubMed</a> 3. Khan KA, <i>et al.</i> 2020. <i>NPJ Breast Cancer.</i> 6:29. <a href="#">PubMed</a> 4. Kucab JE, <i>et al.</i> 2019. <i>Cell.</i> 177:821. <a href="#">PubMed</a>

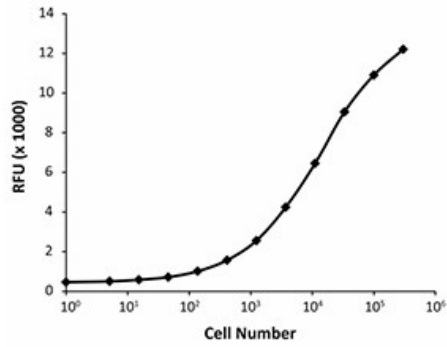
### Antigen Details

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<b>Biology Area</b>	Cell Biology, Cell Proliferation and Viability, Neuroscience
<b>Gene ID</b>	NA

### Product Data

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Detection of Baf3/CCR3 cells viability using Resazurin fluorescence measurement. The increasing cell numbers correlate with the increasing fluorescence.

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