

Assay kits

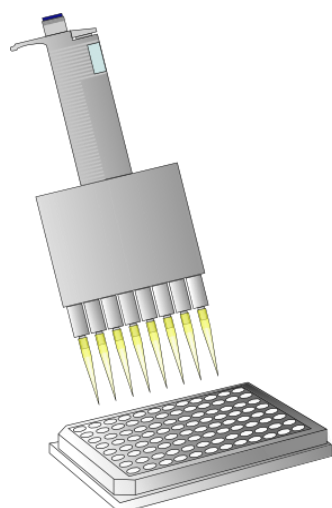
# OZ Blue Cell Viability Kit

Fluorometric/colorimetric quantification of metabolic activity  
Check cell viability without killing cells

---

## Protocol

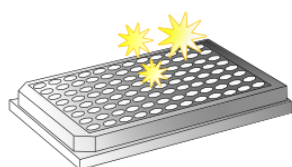
# OZ Blue Cell Viability Kit Quick Protocol - 96-well plates



● Add 10 $\mu$ L of OZBlue Cell per well



● Incubate 30min to 4h at 37°C




● Read the signal using a Fluorescent Plate Reader (560 nm<sub>Ex</sub>/590 nm<sub>Em</sub>) or a Spectrophotometer (570 nm)


## IMPORTANT NOTES – Before you begin

- ✓ Check that your cell culture medium does not contain components that may interfere with Resazurin reduction such as HEPES, glutathione or ascorbic acid.
- ✓ OZBlue Cell Viability Kit solutions is light sensitive: protect the reagent from direct light.
- ✓ Allow reagents to reach room temperature before beginning.
- ✓ We recommend using opaque walled clear bottom plates.

For additional information and protocols (optimization, scaling, co-transfection...) tips, troubleshooting or other applications

 [www.ozbiosciences.com](http://www.ozbiosciences.com)

Any questions?

 [tech@ozbiosciences.com](mailto:tech@ozbiosciences.com)

Package content	BL00025: 25 mL of OZBlue Cell Viability Reagent BL00100: 100 mL of OZBlue Cell Viability Reagent
Shipping conditions	Shipped with ice pack
Storage conditions	Store the OZBlue Cell Viability Reagent at +4°C upon reception
Shelf life	1 year from the date of purchase when properly stored and handled
Product description	The OZBlue Cell Viability kit is a ready-to-use assay system based on fluorimetric/colorimetric quantification of metabolic activity in living cells.
Important notice	For research use only. Not for use in diagnostic procedures

## Protocol

### 1. Cell preparation

- a. Plate your cells in a 96 or 384 **opaque-walled** cell culture plate (clear bottom).
- b. Perform your experiment

### 2. OZBlue Cell Viability

- a. Bring OZBlue Cell Viability Kit solution to Room Temperature.
- b. Add directly into the cell medium a volume equal to 10% of the cell culture volume of OZBlue Cell Viability Kit.
- c. Incubate 30 min to 4 h in your standard cell culture conditions (incubation time may vary depending on the metabolic activity of the cells).
- d. Measure the Fluorescence (560 nm<sub>Ex</sub>/590 nm<sub>Em</sub>) or the Absorbance (570 nm).

## IMPORTANT CONSIDERATIONS

- For large samples (24 well-plate or larger), after incubation time (refer to 2.c), collect 100µL of cell culture medium and transfer it in a 96 well-plate before measurement in the plate reader.
- Cells growing in suspension may need a longer incubation time than adherent cells.
- Multiple measurements at different time points can be done to determine the optimal incubation time for your cell culture conditions.
- For colorimetric measurement, Absorbance at 600 nm can be subtracted for background correction.
- For colorimetric measurement, the signal is inversely proportional to the number of living cells, we highly recommend to prepare a cells dilution range to better analyse your results.

## Additional products

- **MTT Cell Proliferation Assay Kit** for toxicity and cell viability measurement
- **ROS Detection Assay Kit** for measuring Reactive Oxygen Species activity within your cells

### Purchaser Notification

#### Limited License

The purchase of the 3D-Fect kit grants the purchaser a non-transferable, non-exclusive license to use the kit and/or its separate and included components (as listed in section 1, Kit Contents). This reagent is intended for in-house research only by the buyer. Such use is limited to the transfection of nucleic acids as described in the product manual. In addition, research only use means that this kit and all of its contents are excluded, without limitation, from resale, repackaging, or use for the making or selling of any commercial product or service without the written approval of OZ Biosciences. Separate licenses are available from OZ Biosciences for the express purpose of non-research use or applications of the 3D-Fect kit. To inquire about such licenses, or to obtain authorization to transfer or use the enclosed material, contact us at OZ Biosciences. Buyers may end this License at any time by returning all 3D-Fect kit reagents and documentation to OZ Biosciences, or by destroying all 3D-Fect components. Purchasers are advised to contact OZ Biosciences with the notification that a 3D-Fect kit is being returned in order to be reimbursed and/or to definitely terminate a license for internal research use only granted through the purchase of the kit(s). This document covers entirely the terms of the 3D-Fect kit research only license, and does not grant any other express or implied license. The laws of the French Government shall govern the interpretation and enforcement of the terms of this License.

#### Product Use Limitations

3D-Fect kit and all of its components are developed, designed, intended, and sold for research use only. They are not to be used for human diagnostic or included/used in any drug intended for human use. All care and attention should be exercised in the use of the kit components by following proper research laboratory practices.

### EUROPE & ASIA OZ Biosciences SAS

163 avenue de Luminy  
Case 922, zone entreprise  
13288 Marseille cedex 09  
France

Ph: +33 (0) 486 948 516  
Fax: +33 (0) 463 740 015

[contact@ozbiosciences.com](mailto:contact@ozbiosciences.com)  
[order@ozbiosciences.com](mailto:order@ozbiosciences.com)  
[tech@ozbiosciences.com](mailto:tech@ozbiosciences.com)



### USA & CANADA OZ Biosciences INC

7975 Dunbrook Road  
Suite B  
San Diego CA 92126  
USA

Ph: + 1-858-246-7840  
Fax: + 1-855-631-0626

[contactUSA@ozbiosciences.com](mailto:contactUSA@ozbiosciences.com)  
[orderUSA@ozbiosciences.com](mailto:orderUSA@ozbiosciences.com)  
[techUSA@ozbiosciences.com](mailto:techUSA@ozbiosciences.com)