

Assay kits

WST-8 Cell Proliferation Kit


For determination of viable cell number & for studying induction or inhibition of cell proliferation in vitro

Protocol


IMPORTANT NOTES – Before you begin

- ✓ Avoid repeated thawing and freezing cycles that could increase the background signal.
- ✓ This kit is compatible with phenol red containing medium.
- ✓ Incubation time varies with the type and number of cells; long incubation time (up to 4 hours) can be used for an optimal measurement
- ✓ Allow reagents to reach room temperature before beginning
- ✓ Avoid direct exposure to- and protect from light.

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

 www.ozbiosciences.com

Any questions?

 tech@ozbiosciences.com

WST-8 cell proliferation Kit | Specifications

Package content	10 mL of WST-8 Solution Number of assays (96-well plate): 1000
Shipping conditions	The kit is shipped at +4°C.
Storage conditions	Upon reception, store the WST-8 Cell Proliferation Kit at 4°C. Protect from light.
Shelf life	1 year from the date of purchase when properly stored and handled
Important notice	For research use only. Not for use in diagnostic procedures. During long term storage or upon shipping in cold weather.

Protocol for 96-well plates

1. Cell preparation:

1. Seed cells in a 96-well plate under standard culture conditions.
2. Carry out experiment by adding chemical compounds or biological agents to cells

2. Measuring cell proliferation or viability:

3. Add 10 μ L of WST-8 solution.
4. Incubate cells 30 min to 4h at 37°C in the dark (incubation time varies depending on the metabolic activity of the cells).
5. Optionally: centrifuge cells and apply protocol on the supernatant (see below)
6. Measure absorbance at 450 nm.
7. Subtract background absorbance of the non-treated cells from all other values.

Optionally for suspension cells, a centrifugation procedure to pellet cells (5 min x 1200 rpm) would allow working on supernatant to lower background signal.

General Protocol for other well format

This kit is compatible with any cell culture format, from 384-well to 6-well plates.

Follow the same protocol than for 96-well plates; changes only apply on the volumes used:

- Step 2-3: adjust the volume of the WST-8 solution in a well to 10% of the total volume.

Additional products

- **OZBlue Cell Viability kit** for cell viability measurement
- **MTT Cell Proliferation Assay Kit** for measuring toxicity and cell viability

Purchaser Notification

Limited License

The purchase price paid for WST-8 cell proliferation Kit by end users grants them a non-transferable, non-exclusive license to use the kit and/or its separate and included components (as listed in this protocol). These reagents are intended **for internal research only** by the buyer. Such use is limited to the use in the product manual. Furthermore, 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.

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Product Use Limitations

The WST-8 cell proliferation Kit and all 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 handling of the kit components by following appropriate research lab practices.

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