

## WST-1 Cell Proliferation Kit (ready-to-use)

For research use only. Not intended for diagnostic or therapeutic procedures.

Cat. No.: WST1.150813.1 (10 ml)  
 WST1.150813.2 (25 ml)  
 WST1.150813.3 (4 x 25 ml)  
 Lot: (see product label)  
 Components: WST-1 reagent and electron mediator in buffer solution  
 Quantity: 1 x 10 ml sufficient for 1000 assays  
 1 x 25 ml sufficient for 2500 assays  
 4 x 25 ml sufficient for 10000 assays

Description: Immunservice's WST-1 Cell Proliferation Kit (ready-to-use) provides an easy, fast and accurate method to determine cell proliferation. Quantification is based on cleavage of the water-soluble tetrazolium salt WST-1 to the formazan dye by viable cells. An increase in the number of viable cells leads to an increase the amount of formazan dye produced, which can be quantified by measuring the absorbance at 420-480 nm. This absorbance strongly correlates with the number of viable cells. In combination with our detailed user manual, you will find the solution for your cell proliferation and inhibition experiments.

Applications:

- Measurement of the proliferative response of various cell types to cytokines, growth factors, mitogens, nutrients, etc.
- Analysis of the impact of cytotoxic and cytostatic substances such as drugs or other pharmaceutical agents.
- Screening of cell growth inhibitors, e.g. antibodies, physiological mediators, etc.

Storage: Store at -20°C. To avoid repeated freezing and thawing, aliquot the solution (1 ml is sufficient for one 96-well microplate).  
 If stored properly, the Immunservice WST-1 Cell Proliferation Kit (ready-to-use) is stable for at least 6 months.

References: Berridge, M. V., Herst, P. M. & Tan, A. S. **Tetrazolium dyes as tools in cell biology: New insights into their cellular reduction.** *Biotechnol. Annu. Rev.* 11, 127–152 (2005)  
 For additional references please contact [Research@immunservice.com](mailto:Research@immunservice.com)

### Additional Products:

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| 1. WST-1 CTLL-2 Cell Proliferation Kit (ready-to-use)                       | Cat. No. WST1.CTLL150813.1 |
| 2. i2Cult IL-2 Complete Medium<br>- for the culture of IL-2-dependent cells | Cat. No. IL2.130411.4      |
| 3. i2Cult CTLL-2 Complete Medium  | Cat. No. IL2. 130411.5     |

4. Recombinant Human Interleukin-2

Cat. No. IL2.130411.1-3

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