

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



The WST-1 kit provides an easy, fast and accurate method to determine cell proliferation. Viable cells cleave the water-soluble tetrazolium salt WST-1 to the formazan dye. The increase in the amount of the formazan dye which is proportional to the presence of viable cells is quantified by measuring the absorbance at 420-480 nm.

Ordering information

Cat. no.	Name of product / Product designation	Size
WST1.150813.1	WST-1, 1x10ml, sufficient for 1,000 assays	10 ml
WST1.150813.2	WST-1, 1x25ml, sufficient for 2,500 assays	25 ml
WST1.150813.3	WST-1, 4x25ml, sufficient for 10,000 assays	4x25 ml

Services

900246	Performance of cytotoxic assays*	
900204	Performance of proliferation assays*	

* Please ask for more details and our special services depending on your needs.

Applications:

- Determination of the **proliferation** of various cell types in response to cytokines, growth factors, mitogens and many other stimuli.
- Examination of **effects of cytotoxic or cytostatic substances**, such as pharmaceuticals or other drugs.
- **Screening** of inhibitors of cell growth, e.g. antibodies, physiologically active messengers or other factors.

Intended for research use only. Not to be used in diagnostic or therapeutic procedures.

Example (using cells from the CLS cell bank)

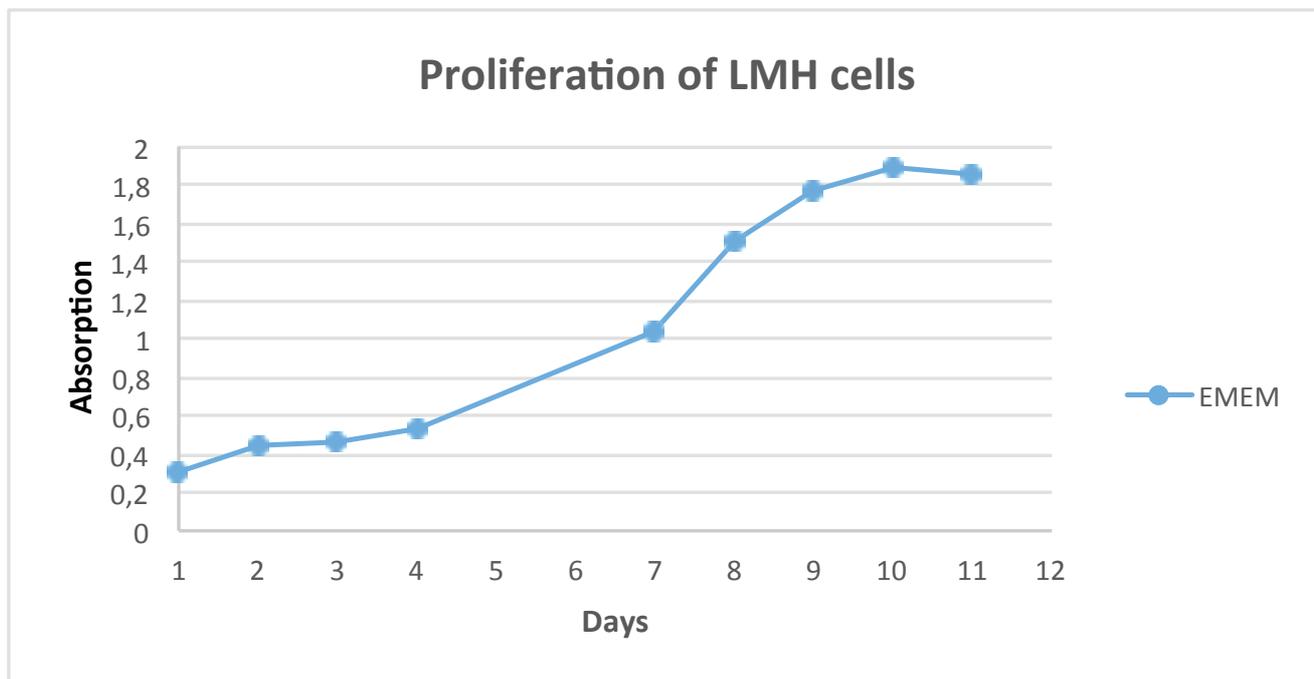


Figure 1: The proliferation of LMH cells was measured using the WST-1 kit. A 96-well-plate was set up at a cell concentration of 1000 cells/well in a volume of 100 μ l. On 11 consecutive days, 10 μ l of WST-1 was added to the wells and incubated at 37°C for 2 hrs. The absorption at 450 nm was measured in the GloMax Multi+ plate reader.

References:

Berridge MV, Herst PM and Tan AS. Tetrazolium dyes as tools in cell biology: New insights into their cellular reduction. *Biotechnol.Annu.Rev.* 11, 127-152, 2005.

Shipment and storage details

The WST-1 kit is being shipped on dry ice and should be stored at -20°C after delivery.

Manufactured by: Immunservice GmbH, Hamburg, Germany



CLS Cell Lines Service GmbH
Dr.Eckener-Strasse 8
69214 Eppelheim
Germany

Phone: +49(0)6221 700799
Fax: +49(0)6221 700717
E-Mail: info@clsgmbh.de

Certified ISO 9001:2008



All products are intended for research use only.
Not to be used in human beings.
For more information you may browse our website:
www.clsgmbh.de

CLS GmbH, V1/2016/1215-B01