


Product name **3-D Life 10x CB-Buffer (pH 5.5)**

Description *3-D Life* 10x CB-Buffer (pH 5.5) is a component of the *3-D Life* Hydrogel system. It can be used in the *3-D Life* Hydrogel system, where it provides a cell-compatible environment at pH 5.5, which is optimal for formation of *3-D Life* Hydrogels.  
*3-D Life* Hydrogels are generated by mixing the liquid components of the *3-D Life* system at physiological conditions in the presence of cells, where thiol groups form stable thioether bonds with maleimide groups, which results in the formation of a gel with embedded cells. Prior to the crosslinking step, peptides (e.g. *3-D Life* RGD Peptide) can be covalently attached to a portion of the maleimide groups of Maleimide-PVA or Maleimide-Dextran.

Catalog number B10-3

Quantity Sufficient for 3 ml *3-D Life* Hydrogel

Applications *3-D Life* 10x CB-Buffer (pH 5.5) with other components of the *3-D Life* Hydrogel System to establish 3-D cell cultures in biomimetic hydrogels.

Components	Materials provided <sup>1</sup>	Quantity	Storage Temperature
	 10x CB (pH 5.5)	600 µl	Short term (≤ 2 months): 4°C Long term: -20°C or -80°C

<sup>1</sup> All materials are filter-sterilized.

Composition 10 g/l glucose; 0.5 mol/l 2-(N-morpholino)ethanesulfonic acid (MES); 0.05 mol/l KCl; 1.1 mol/l NaCl; 0.2 mol/l NaH<sub>2</sub>PO<sub>4</sub>; 0.2 g/l phenol red; pH-adjusted with HCl.

NOTE INTENDED FOR RESEARCH USE ONLY. NOT FOR USE IN HUMAN THERAPEUTIC OR DIAGNOSTIC APPLICATIONS