

Product name	3-D Life 10x CB-Buffer (pH 7.2)								
Description	<p>3-D Life 10x CB-Buffer (pH 7.2) 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 7.2, which is optimal for maintenance of viable cells.</p> <p>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.</p>								
Catalog number	B20-3								
Quantity	Sufficient for 3 ml 3-D Life Hydrogel								
Applications	3-D Life 10x CB-Buffer (pH 7.2) with other components of the 3-D Life Hydrogel System to establish 3-D cell cultures in biomimetic hydrogels.								
Components	<table border="1" data-bbox="379 797 1434 920"> <thead> <tr> <th></th> <th>Materials provided¹</th> <th>Quantity</th> <th>Storage Temperature</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">●</td> <td>10 x CB (pH 7.2)</td> <td>600 µl</td> <td>Short term (≤ 2 months): 4°C Long term: -20°C or -80°C</td> </tr> </tbody> </table> <p>¹ All materials are filter-sterilized.</p>		Materials provided ¹	Quantity	Storage Temperature	●	10 x CB (pH 7.2)	600 µl	Short term (≤ 2 months): 4°C Long term: -20°C or -80°C
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●	10 x CB (pH 7.2)	600 µl	Short term (≤ 2 months): 4°C Long term: -20°C or -80°C						
Composition	10 g/l glucose; 0.5 mol/l 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES); 0.05 mol/l KCl; 1.1 mol/l NaCl; 0.2 mol/l NaH ₂ PO ₄ ; 0.2 g/l phenol red; pH-adjusted with NaOH.								
NOTE	INTENDED FOR RESEARCH USE ONLY. NOT FOR USE IN HUMAN THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.								