

Product Data Sheet

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. Further information and detailed protocols are available in the *3-D Life* Hydrogels User Guide, http://www.cellendes.com/pdfs/manual_hydrogel.pdf.

Catalog number: B10-3

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

Application: *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 ¹ | Quantity | Storage Temperature | Lot |
|-------------|--|---------------------|---------------------|-----|
| |  10x CB-Buffer (pH 5.5) | 600 µl ¹ | -20°C or -80°C | |

¹ 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 NaH₂PO₄; 0.2 g/l phenol red; pH-adjusted with HCl.

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