

Product Data Sheet

Product name: *3-D Life* 10x CB-Buffer (pH 7.2)

Description: *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.

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: B20-3

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

Application: *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:

	Materials provided ¹	Quantity	Storage Temperature	Lot
	10x CB-Buffer (pH 7.2)	600 µl ¹	-20°C or -80°C	

¹ Filter-sterilized.

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 NaH₂PO₄; 0.2 g/l phenol red; pH-adjusted with NaOH

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