

LIFEGEL DIGESTION KIT

The main task of 3D culturing is to prepare cells for further biochemical, molecular or imaging analyses. **LifeGel Digestion Kit is a set of enzymes used to release cells cultured on LifeGel.** Depending on incubation time a single cells or spheroids are isolated from LifeGel.

Carefully selected combinations of enzymes digest the hydrogel as well as the protein connections between cells, enabling single cells to be recovered. In contrast to classically used trypsin, these enzymes do not digest the membrane proteins necessary for the proper functioning of the cell, so the Digestion Kit is therefore more gentle on cells. Released cells can then be used in further experiments such as gene or protein expression analyses, or they can be re-seeded for further culturing.

LifeGel Digestion Kit contains four 4 mL vials (16 mL in total) containing appropriate enzymes that when added to the LifeGel (in a 1:1 ratio) release cells for further experiments. In general, 16 mL of enzymes are sufficient to digest one culture plate of LifeGel.

Specification of Digestion Kit	
Form	Liquid enzymes that enable tissue digestion or cell isolation from culture in LifeGel
Composit.	Collagenase type I, Collagenase type IV, Hyaluronidase
Color	Light yellow
Volume	4 vials x 4 ml
Stability	2 years
Storage	Store at -20°C for 6 month stability or at -80°C for stability until expiry date. Protect from light. Avoid repeated freezing and thawing.

Product is intended for **research use only**, not for diagnostic or therapeutic purposes.

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TISSUE DIGESTION KIT

The main task of 3D culturing is to prepare cells for further biochemical, molecular or imaging analyses. **Tissue Digestion Kit** is a set of enzymes used to release cells from primary tissue.

Carefully selected combinations of enzymes digest a tissue as well as the protein connections between cells, enabling single cells to be recovered. In contrast to classically used trypsin, these enzymes do not digest the membrane proteins necessary for the proper functioning of the cell, so the Digestion Kit is therefore more gentle on cells. Released cells can then be used in further experiments such as gene or protein expression analyses, or they can be re-seeded for further culturing on LifeGel.

Tissue Digestion Kit contains four 4 mL vials (16 mL in total) containing appropriate enzymes. Generally, 16 mL of enzymes are enough to digest about 16 g of tissue.

Specification of Digestion Kit	
Form	Liquid enzymes that enable tissue digestion or cell isolation from culture in LifeGel
Composit.	Collagenase type I, Collagenase type IV, Hyaluronidase
Color	Light yellow
Volume	4 vials x 4 ml
Stability	2 years
Storage	Store at -20°C for 6 month stability or at -80°C for stability until expiry date. Protect from light. Avoid repeated freezing and thawing.

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