Lung deECM Gel Hydrogel Kit

Cat. No. HG014

Lot. No. (See product label)

Product Description	The cellular microenvironment directly and indirectly effects cellular behavior via both biophysical and biochemical routes. The microenvironment is composed of extracellular matrix proteins (ECM), other surrounding cells, cytokines, growth factors, hormones, and other bioactive agents and nano/microscale mechanical properties such as physical tension/stiffness. Decellularization is the process used in biomedical engineering to isolate the native extracellular matrix (ECM) of a tissue from its inhabiting cells, leaving an ECM scaffold of the original tissue, which can be used in cell culture and tissue regeneration. Compared to other tumor derived basement membrane extracts, these deECM hydrogel scaffolds can provide a more physiological environment with increased growth rates for cells without the use of any exogenous growth factors. Our tissue-specific deECM Gel Hydrogel Kits are a series of native decellularized extracellular matrix (ECM) protein solutions derived from a variety of non-diseased porcine organs (bone, heart, liver, kidney, intestine, skin and lung). These hydrogels can be used as traditional 2D ECM coatings or as hydrogels to encapsulate cells for 8D cell culture applications.
Application	Lung decellularized ECM scaffold for traditional 2D and 3D cell culture applications.
Biological Source	Porcine
Storage/Stability	Store all components of the dECM Gel Hydrogel Kit at 2-8 °C (do not freeze).

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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