# Leadgene® ScaffoldForm 3D Culturing Gel

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|---|---|
| **Catalog Number** | LDG0005RO |
| **Package** | 120 rxn / 240 rxn |

For full product information, images and publications, please visit our website.

## Overview

### Description

The 3D cell culture hydrogel system simulates the microenvironment of human tissue using synthetic biological materials. It is stable, adjustable, easy to operate, and has high biological compatibility, which can be applied in 3D cell culture, tumor formation experiment, tumor angiogenesis and invasion study.

### Components

| Package | Items | Quantity |
|---|---|---|
| 120 rxn | 3D Culturing Gel (2X) | 5 vials (0.5 mL) |
| | Covering Buffer (10X) | 1 bottle (12.5 mL) |
| | Dissociating Buffer (10X) | 1 bottle (12.5 mL) |
| 240 rxn | 3D Culturing Gel (2X) | 10 vials (0.5 mL) |
| | Covering Buffer (10X) | 2 bottles (12.5 mL) |
| | Dissociating Buffer (10X) | 2 bottles (12.5 mL) |

## Specifications

### Application

3D Cell Culture, In vitro angiogenesis assay, In vitro cell Invasion assay, 3D Organoid Culture

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## Instruction

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C for long term storage.

### Stability & Storage

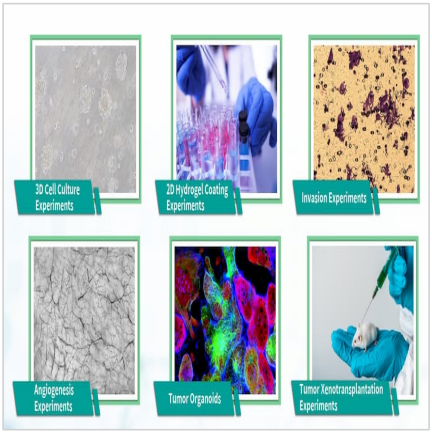
This product is stable after storage at:

- 2-8°C for 24 months in lyophilized state from date of receipt.

## Image

| Function | Leadgene® ScaffoldForm3D Culturing Gel | Comparison-1 | Comparison-2 |
|---|---|---|---|
| Component Stability | - | Complex composition with batch variation | - |
| Additives | Additional ingredients can be added | Not appropriate | Additional ingredients can be added |
| Gel Stiffness | Adjustable range: 1000~20000 pa | 440 pa | Adjustable range: 80~510 pa |
| Uniform Gel Dome | v | v | - |
| Liquid-Form Temperature | > 10°C | > 10°C | > 10°C |
| Gelation Time | < 20 min | > 20 min | > 20 min |
| Gel Dissolving Time | < 5 min, Dissolving rate 100% | > 30 min, Dissolving rate 30~50 % | > 30 min, Dissolving rate 30~50 % |
| Spheroid Recovery | > 90% | 30-50 % | 30-50 % |
| Spheroid Homogeneity | v | - | v |

Leadgene® ScaffoldForm 3D Culturing Gel is designed to enhance cell growth and viability, providing you with more reliable and reproducible results.




Transform Your Research with Leadgene® ScaffoldForm 3D Culturing Gel

**Disclaimer :** For Research Use or Further Manufacturing Only.

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