

Product Overview & Typical Applications

elive™ Gel is a proprietary, animal-origin free hydrogel engineered to encapsulate live tumor fragments. Its structure physically immobilizes tissue and limits cell egress, while remaining permeable to nutrients, antibodies, and small molecules, allowing tissue to remain viable and accessible to treatment during ex vivo culture. These properties enable elive™ Gel to preserve the native tumor microenvironment (TME), including cellular composition and tissue architecture, for up to 72 hours.

Primary applications include cytokine profiling to assess potential response to immunotherapy, preservation of native TME features (T cells, macrophages, tumor cells, and stroma) over 72 hours of culture, longitudinal imaging of immobilized tissue fragments, and downstream histological analysis including H&E staining, immunohistochemistry (IHC), and multiplex immunofluorescence (mIF). elive™ Gel is intended for use as part of the elive™ Platform alongside elive™ Edge and elive™ Method. Secondary applications may extend across a range of tissue types to support research in various therapeutic areas beyond immunotherapy and cytokine profiling.

Key Specifications

Attribute	Detail
Formulation	Animal-origin free
Volume per tube	700 µL per tube
Storage temperature	-60°C to -90°C ultracold freezer
Time outside freezer	Maximum 30 minutes outside ultracold storage
Freeze-thaw cycles	Stable for up to 4 freeze-thaw cycles
Shelf life / Stability	18 months from manufacture date
Expiration	Do not use past expiration date printed on the tube
Cell viability	Maintains cell viability over 72 hours of ex vivo culture
UV polymerization	395 nm UV light, 2.25 inches from bottom of BSC, 90 seconds

For Research Use Only

Handling

Thawing:

- Thaw in a bucket of cool tap water (18–22°C) for 5 minutes; tube should float, do not fully submerge
- Start a timer at the beginning of the thaw, 30-minute time limit outside the freezer
- Once thawed, rapidly invert tube to mix, then spin in benchtop centrifuge for ~5 seconds
- Place in wet ice until use; only the cap of the tube should be above the ice level

Required Materials & Equipment Required for Gel within elive Platform

Materials:

- Human tissue culture media (refer to elive™ Human Tissue Culture Media User Guide)
- DPBS (Gibco 14190-144, or equivalent)
- Ice buckets, tap water, thermometer, wet ice
- Metal forceps (non-serrated)
- 24-well culture plate (Falcon, Cat. No. 353047)

Equipment:

- Appropriately sized pipettes and pipette tips
- Biosafety cabinet (BSC)
- Incubator set to 37°C and 5% CO₂
- Benchtop microcentrifuge and timer
- Ultracold freezer (-60 to -90°C)
- 395 nm UV light, positioned 2.25 inches from the bottom of the BSC

Instructions

Full instructions for use can be found in the [elive™ Gel User Manual](#) available on our website.



Product Information

Product Name	elive™ Gel
Product Number	100039

Pricing

Item	Price (USD)
elive™ Gel, pack of 20 tubes	\$500.00
U.S. Shipping; priority overnight, dry ice Maximum 8 packs (160 tubes) per shipment	\$180.00 flat rate per shipment
International Shipping	Varies — quote upon request
Credit Card Fee (for applicable orders)	3.5%

How to Order

Complete order form and send to your sales representative.