

# HumaTein™ Coated Cell Culture Ware

“Increase cell yield by 33% or more at reduced cost”



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## What is HumaTein™?

✓ HumaTein™ is a primary human cell-derived whole extracellular matrix(ECM). It is an ideal coating material, comprised of more than 300 proteins and associated cytokines for therapeutic cell culture.

## How is HumaTein™ made?

✓ HumaTein™ is isolated from primary human cells such as Neonatal dermal fibroblasts (NDFBs) or Mesenchymal Stem Cell (MSCs) grown in specific native stiffness matching micro-environment to recapitulate native MSC growth environment. HumaTein™ composition is optimized for MSC growth and proliferation.

## Features

- ✓ HumaTein™ (Source: Primary Human Cell)
- ✓ No washing required before use
- ✓ Shelf life : 6 months at room temperature

## Product Range

### ✓ HumaTein™ Coated Flask

Cat.No.	Cap type*	Growth Area (cm <sup>2</sup> )	Working Volume (mL)	Packaging
HT-CF-001	Filter	75.00	21.00	5/40
HT-CF-002	Filter	175.00	49.00	5/40
HT-CF-003	Filter	225.00	63.00	5/40

\* A plug cap is also available

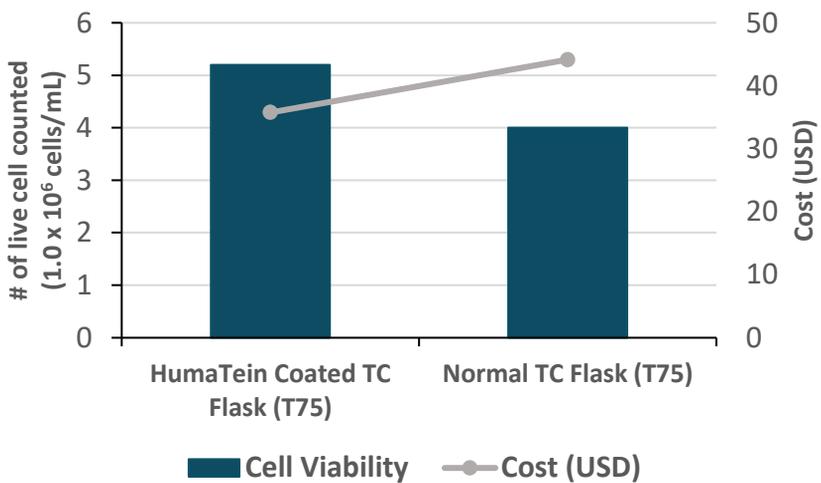
### ✓ HumaTein™ Coated Dish

Cat.No.	Dish Style d x h (mm)	Growth Area (cm <sup>2</sup> )	Working Volume (mL)	Packaging
HT-CD-001	35.00 x 10.00	9.40	3.00	5/40
HT-CD-002	60.00 x 15.00	21.50	5.00	5/40
HT-CD-003	90.00 x 20.00	57.50	12.50	5/40
HT-CD-004	150.00 x 25.00	148.00	35.00	5/40

### ✓ HumaTein™ Coated Plate

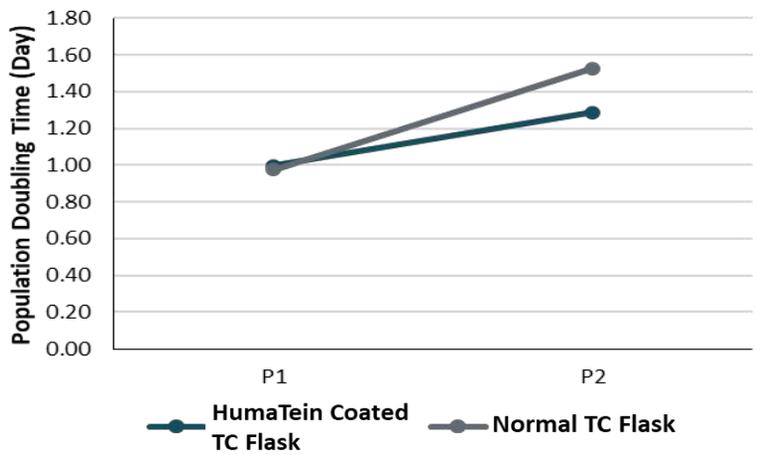
Cat.No.	Plate Type	Growth Area (cm <sup>2</sup> )	Working Volume (mL)	Packaging
HT-CP-001	6well	9.60	3.00	5/40
HT-CP-002	12well	3.80	2.00	5/40
HT-CP-003	24well	1.90	1.00	5/40
HT-CP-004	48well	0.75	0.50	5/40
HT-CP-005	96well	0.33	0.20	5/40

## Product Yield

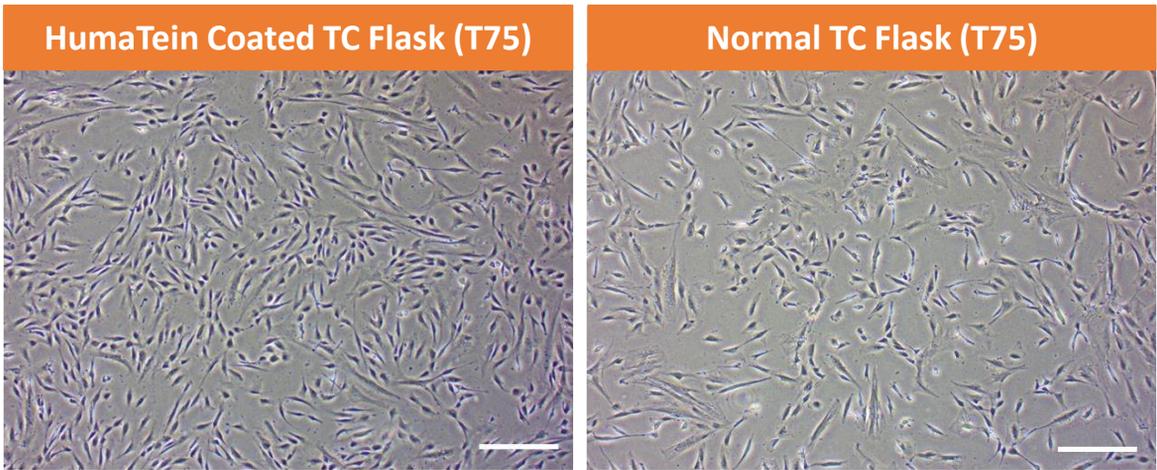


**Fig.1** HumaTein™ Coated Ware showed a cost effective 33% or higher yield compared to the same size non-coated T75 TC flask. Commercial xeno-free MSC growth media was used for cell culture.

## Proliferation



**Fig.2** HumaTein™ Coated Ware showed maintained shorter population doubling time up to passage 7 (P1, P2 data shown)



Passage 2 Image  
Scale bar=200µm

**Fig.3** Proliferation was enhanced about 50% Proliferation increase on HumaTein coated surface compared to normal TC surface



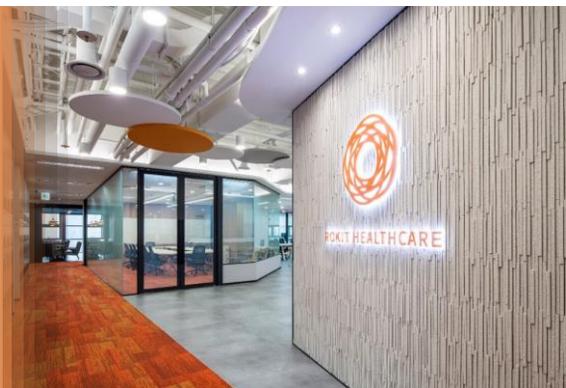
# ROKIT HEALTHCARE

## Hyper-Personalized Precision Medicine and Digital Healthcare

### Who we are

Based in Seoul, South Korea, ROKIT Healthcare is a leading developer and manufacturer of bioprinting systems. We have leveraged our expertise in this field to realize organ regeneration, already having successfully commercialized regenerative treatments for chronic diseases associated with aging.

We are proud to support the most diverse bioprinting community in the world. Our collaborators continually push the boundaries of tissue engineering and biomaterial development to introduce breakthrough research methods and treatment strategies. When you work with us, our expertise and wide array of customer references will not only be made available to you, but you can be assured that you will have a trusted, reliable partner for your research & business needs.



### ROKIT HEALTHCARE at a glance

Our purpose is to give research professionals a platform to innovate and push the boundaries of tissue engineering and biomaterial development



Founded in  
**2012**



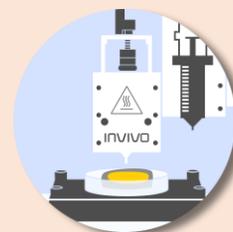
Cumulative value of  
distribution agreements (2022)

**\$1.2B**



Number of

**100+**



**USD**



Dr. INVIVO users

**300+**



User Publications

**150+**



Countries served

**50+**



### Our focus areas to maintain leading positions

#### Organ Regeneration Platform

Autologous Cell Bio-Ink + Dr. INVIVO 4D2D + AI

- Skin Regeneration (Diabetic Foot Ulcer, Burn, Pressure Ulcer, Cancer)
- Cartilage Regeneration (Osteoarthritis)
- Kidney Regeneration

#### Anti-aging Platform

- Health Supplements (NMN, STRESSCARE, Fisetin, 40+ WOMEN)
- Tissue Bank

#### Bioprinting

- Bioprinter - Dr. INVIVO 4D2, 4D6
- Dr. INVIVO EDU
- Human ECM - HumaTein™
- INVIVO-GEL, HUMA MEDIA
- EpiTem™

#### Next Generation Sequencing Genome Research

- Single-cell RNA/DNA Sequencing Service
- Single-cell Immune Profiling Service
- Exosomal RNA-seq Service
- All NGS Services

