

Product Specification

Microcarrier	Material	Structure	Dissolvable	Bead Size (μm)	Surface Area (cm²/g)	Bead Number (particles/mg)	Pore Size (μm)	Packaging	Application Field
W01	Porcine Gelatin	Macroporous sphere	Yes	140-330	8300	4200	30-50	Sterile Tablets Sterile Powder in Closed System	Mesenchymal stromal cells and exosomes
W02	Porcine Gelatin	Macroporous sphere	Yes	280-450	5000	1100	30-50	Sterile Tablets Sterile Powder in Closed System	Mesenchymal stromal cells and exosomes
V01	Bovine Gelatin	Macroporous sphere	Yes	140-480	7500	2200	30-50	Non-sterile power	Human and animal vaccines, i.e. Vero, MDCK, MRC5
G02	Bovine Gelatin	Macroporous sphere	Yes	110-380	5900	2400	30-50	Sterile Tablets Sterile Powder in Closed System	Lenti-virus, Adeno-associatedvirus, oncolytic virus, i.e. 293T cells
CW01	Recombinant Collagen	Macroporous sphere	Yes	120-300	6300	4300	20-40	Sterile Tablets Sterile Powder in Closed System	Mesenchymal stromal cells and exosomes

Bead Size: D5-D90, in DI water | Bead size data are representative average values of at least 3 batches of products rounded up to the nearest ten.

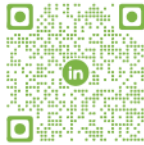
Surface Area: $\sum_{n=0}^{100} \left(X \times \frac{n}{100} \times \pi D_n \right)$ | Surface area and bead number data are representative average values of at least 3 batches of products rounded up to the nearest hundred.

Ordering Information

Catalog No.	Product Name	Specification
W01-200	3D TableTrix® Microcarriers W01(Tablets)	2g (1g/bottle, 2 bottles/box)
W01-2.66-2.66g	3D TableTrix® Microcarriers W01 (Powder)2.66g	2.66g/bottle, fully closed system
W01-6-6g	3D TableTrix® Microcarriers W01 (Powder) 6g	6g/bottle, fully closed system
W01-10-10g	3D TableTrix® Microcarriers W01 (Powder) 10g	10g/bottle, fully closed system
W01-20-20g	3D TableTrix® Microcarriers W01 (Powder) 20g	20g/bottle, fully closed system
W02-200	3D TableTrix® Microcarriers W02(Tablets)	2g (1g/bottle, 2 bottles/box)
W02-10-10g	3D TableTrix® Microcarriers W02 (Powder) 10g	10g/bottle, fully closed system
V01-10-10g	3D TableTrix® Microcarriers V01-10g	10g, Powder
V01-100g	3D TableTrix® Microcarriers V01-100g	100g, Powder
V01-500g	3D TableTrix® Microcarriers V01-500g	500g, Powder
G02-200	3D TableTrix® Microcarriers G02(Tablets)	2g (1g/bottle, 2 bottles/box)
G02-10-10g	3D TableTrix® Microcarriers G02(Powder) 10g	10g/bottle, fully closed system
CW01-100	3D RecomTrix® Recombinant Collagen Microcarriers CW01(Tablets)	1g ((10mg/tab.X100 tab)/box)
CW01-6-6g	3D RecomTrix® Recombinant Collagen Microcarriers CW01 (Powder) 6g	6g/bottle, fully closed system
CW01-10-10g	3D RecomTrix® Recombinant Collagen Microcarriers CW01 (Powder) 10g	10g/bottle, fully closed system
CW01-20-20g	3D RecomTrix® Recombinant Collagen Microcarriers CW01 (Powder) 20g	20g/bottle, fully closed system



Contact Us on WhatsApp

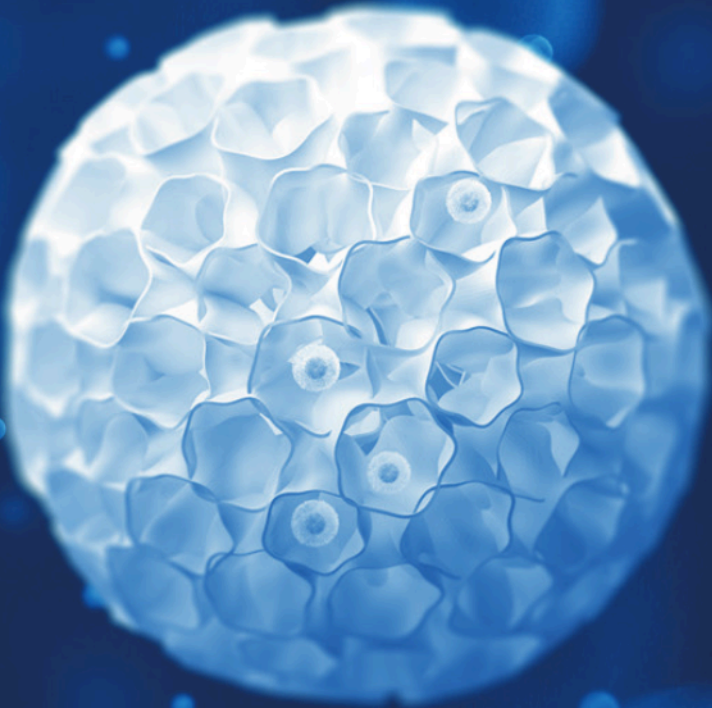


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Unlock the Future of Cell Therapy
with CytoNiche Microcarriers



- ✓ FDA DMF Listed
- ✓ Fully Dissolvable, 100% Cell Recovery
- ✓ Scale from R&D to 10B Cells

CytoNiche Biotech Pte. Ltd.

Why Choose Us

Leading the Way with CytoNiche's Next-Gen Technology

3D TableTrix™ Microcarrier Series

V Series
Vaccine

G Series
Gene Therapy

W Series
Cell Therapy

CW Series **NEW**
Cell Therapy

3D RecomTrix™ Recombinant Collagen Microcarrier



Product Highlights:

1. 3D TableTrix™/RecomTrix™:

- Highly porous (>90%) & elastic - mimic natural microenvironments
- Fully dissolvable with zero residues

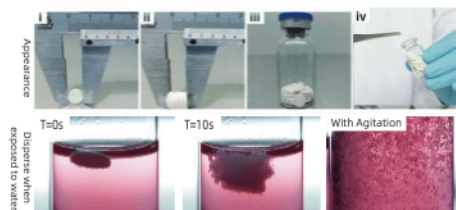
2. 3D FloTrix™ Digest:

- Gentle dissolution at 37°C - 100% cell recovery, no harsh chemicals

Engineered for Excellence: The CytoNiche Difference

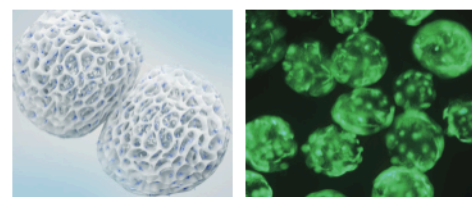
Instant Setup - Ready in Seconds

- Sterile, ready-to-Use
- From tablet to 10,000 microcarriers in seconds



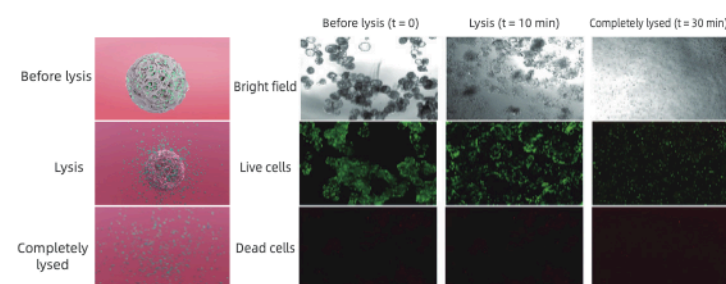
Smarter Growth - Maximize Yield

- Shear-safe design, shields cells from stress ($<10 \text{ s}^{-1}$)
- >90% cell confluence - Biomimetic surface for rapid growth



Effortless Harvest - Zero Compromise

- 37°C enzymatic lysis, no mechanical scraping or toxic chemicals
- 100% recovery - Intact cells, zero residual carriers

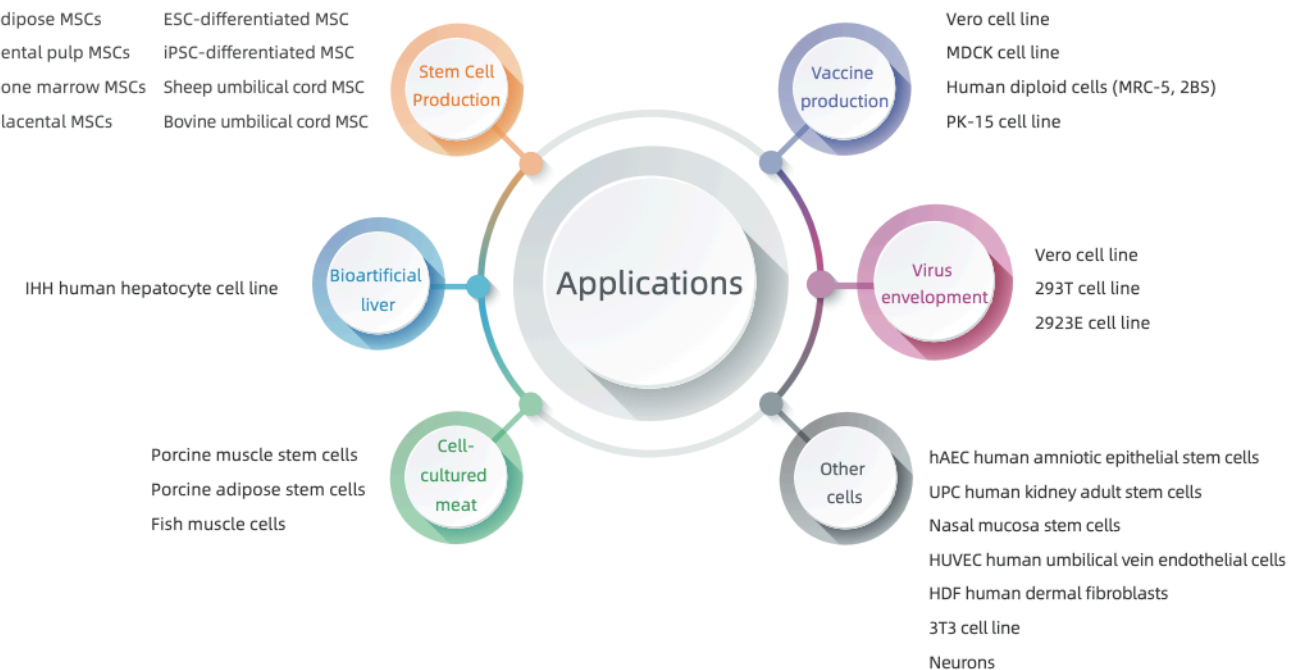


Your Success, Our Mission

Powering Breakthroughs Across Industries

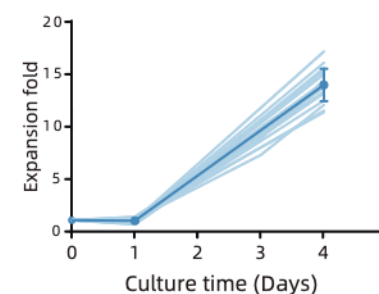
Types of Cells Tested

Human umbilical cord MSCs
Human adipose MSCs
Human dental pulp MSCs
Human bone marrow MSCs
Human placental MSCs
Human amniotic MSCs
ESC-differentiated MSC
iPSC-differentiated MSC
Sheep umbilical cord MSC
Bovine umbilical cord MSC



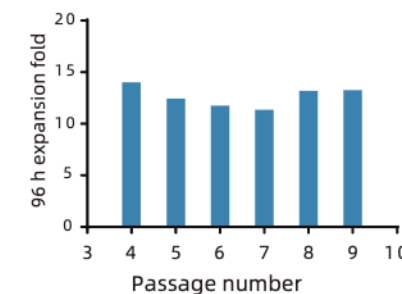
Application Case (Mesenchymal Stromal Cells)

Expansion of human umbilical cord MSCs



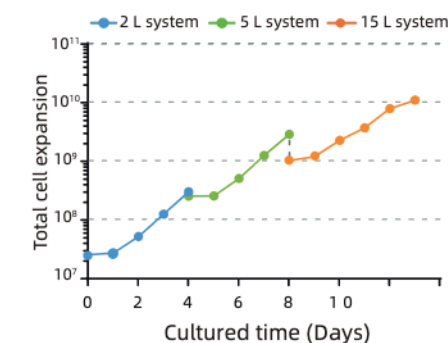
Multiple cases have shown that MSCs can expand 10-16 folds on 3D TableTrix™ Microcarriers.

Continuous passage of human umbilical cord MSCs



Expansion remains stable at 12-14 folds across 6 continuous subcultures.

Continuous expansion curve of human umbilical cord MSCs



Produce 10 billion cells per batch using 3-phase scale-up in bioreactors using 3D TableTrix™ Microcarriers & 3D FloTrix™ technology.