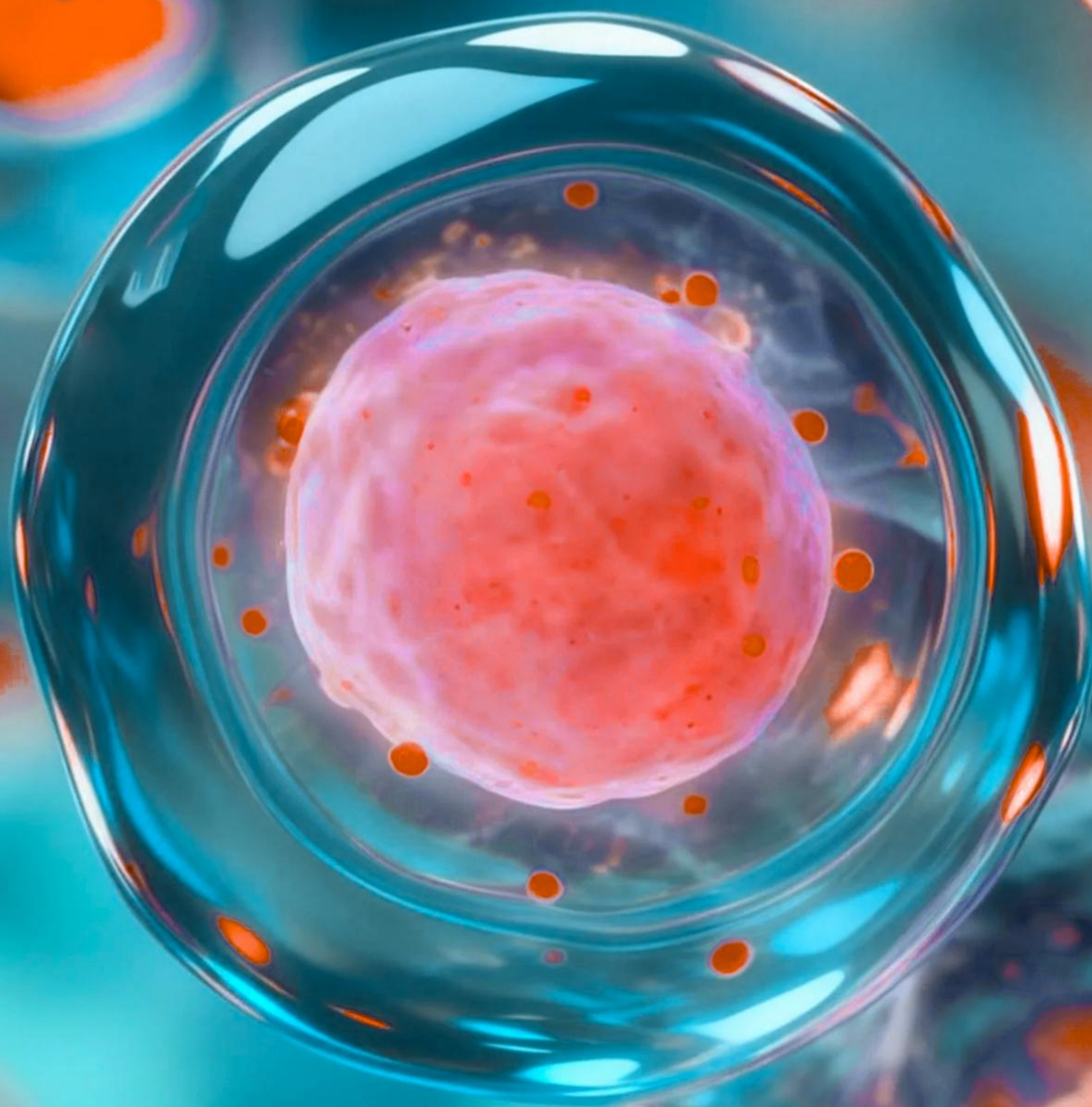


Procell

Complete Growth Media

Cutting-Edge, Ready-to-Use Formulations for Seamless Cell Expansion





Product Features



Extensive Selection

2,000+ media for diverse cell types.



Nutrient-Rich

Optimized formulations for robust growth, no extra additives.



Easy to Use

125 mL × 4 packs, minimizes prep and contamination risk.



Quality Assured

Rigorous batch testing ensures purity, pH balance, and performance.



Customizable

Tailored solutions for specific experimental needs.



Expert Support

Professional guidance for trouble-free cell culture.



Manufacturing Excellence



WFI Generation System



CIP/SIP Compounding System



Automatic Aseptic Filling System



Contents

- Cell Line Complete Growth Media
- Primary Cell Complete Growth Media
- Universal Primary Cell Complete Media
- Universal Complete Growth Media
- Nanobacteria Removal Complete Growth Media
- Procell Complete Growth Media in Peer-Reviewed Papers

➤ Cell Line Complete Growth Media

With over a decade of cell culture expertise, Procell offers dedicated complete media formulated specifically for each cell line, optimized according to its unique growth characteristics and nutritional requirements. Each formulation is precisely validated to support long-term in vitro cultivation, maintaining stable morphology and high cell viability. It provides researchers with a ready-to-use, reliable, and reproducible solution for optimal cell growth.



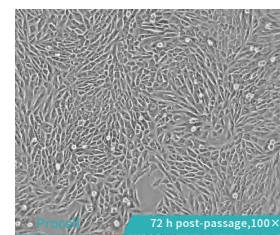
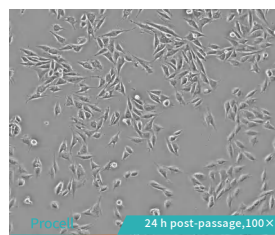
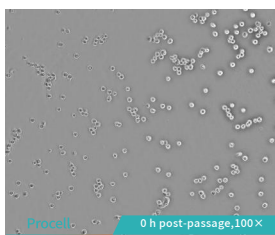
■ Product Catalog

Product Name	Cat. No.	Size
AML12 Cell Complete Medium	CM-0602	125 mL × 4
CTLL-2 Cell Complete Medium	CM-0331	
H9c2(2-1) Cell Complete Medium	CM-0089	
HEC-1-A Cell Complete Medium	CM-0099	
HT22 Cell Complete Medium	CM-0697	
INS-1 Cell Complete Medium	CM-0368	
MCF 10A Cell Complete Medium	CM-0525	
Renca [RenCa] Cell Complete Medium	CM-0568	
SK-N-BE(2) Cell Complete Medium	CM-0441	
VCaP Cell Complete Medium	CM-0241	

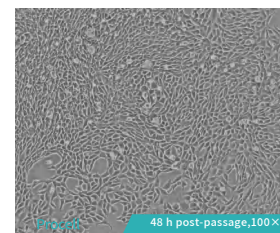
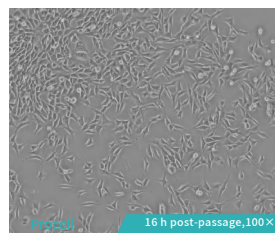
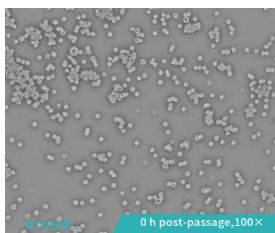
For more Cell Line Complete Growth Media, please visit www.procellsystem.com or contact local distributors.

■ Cellular Performance Showcase

Morphology of H9c2(2-1) cells ►



Morphology of HT22 cells ►



Cells cultured in **H9c2(2-1) Cell Complete Medium (Cat. No.: CM-0089)** and **HT22 Cell Complete Medium (Cat. No.: CM-0697)** exhibited robust condition, healthy morphology, and stable proliferation rate.

► Primary Cell Complete Growth Media

Procell provides specialized complete growth media tailored for various primary cell types, developed according to its distinct physiological traits and metabolic demands. Each formulation closely mimics the native *in vivo* environment to promote healthy attachment, proliferation, functional maintenance, and cell purity. With premium-quality components and strict batch-to-batch consistency, it ensures sustained vitality and biological fidelity of primary cells, enabling more authentic and reproducible research outcomes.



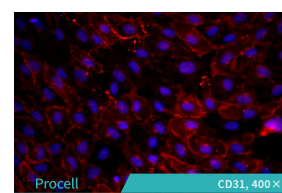
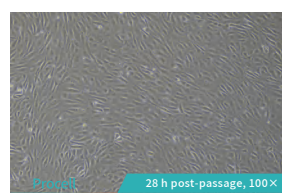
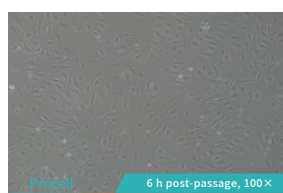
■ Product Catalog

Product Name	Cat. No.	Size
Human Bronchial Epithelial Cell Complete Medium	CM-H009	
Human Corneal Endothelial Cell Complete Medium	CM-H134	
Human Natural killer Cell Complete Medium	CM-H168	
Human Peripheral Blood Monocyte Cell Complete Medium	CM-H182	
Human Peripheral Blood Mononuclear Cell Complete Medium	CM-H158	100 mL
Human Umbilical Cord Blood Mesenchymal Stem Cell Complete Medium	CM-H165	125 mL × 4
Human Umbilical Vein Endothelial Cell Complete Medium	CM-H082	
Mouse Pancreatic Ductal Epithelial Cell Complete Medium	CM-M017	
Mouse Small Intestine Smooth Muscle Cell Complete Medium	CM-M043	
Rat Bronchial Epithelial Cell Complete Medium	CM-R007	

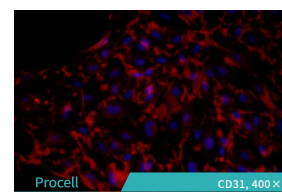
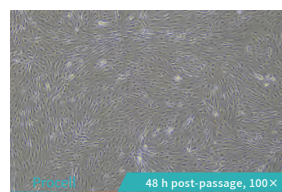
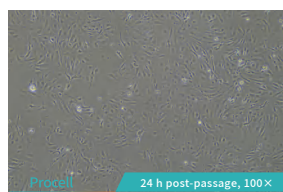
For more Primary Cell Complete Growth Media, please visit www.procellsystem.com or contact local distributors.

■ Culture Efficiency Demonstration

Morphology and immunofluorescence of Human Umbilical Vein Endothelial Cells ►



Morphology and immunofluorescence of Mouse Brain Microvascular Endothelial Cells ►



Cells cultured in **Human Umbilical Vein Endothelial Cell Complete Medium (Cat. No.: CM-H082)** and **Mouse Brain Microvascular Endothelial Cell Complete Medium (Cat. No.: CM-M108)** exhibited excellent adherence, vigorous growth, and superior purity (>90%).

➤ Universal Primary Cell Complete Media

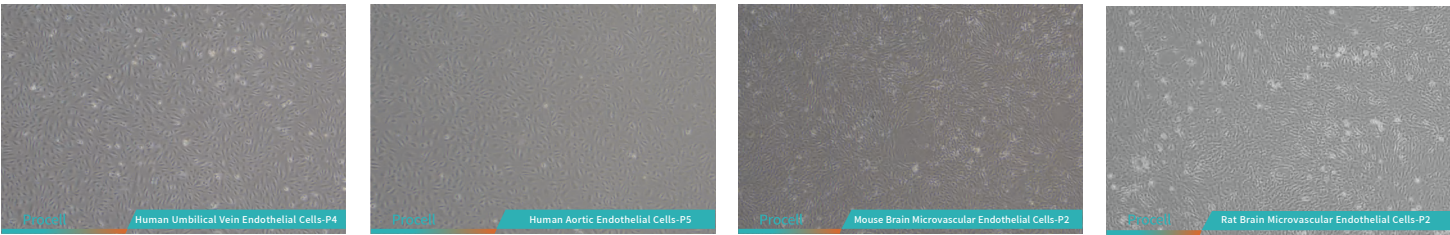
Universal Primary Cell Complete Media is a versatile formulation engineered for cultivating diverse primary cell types derived from multiple species and tissue sources. Its nutrient-rich promotes optimal cellular growth while preserving exceptional purity. Professionally optimized, it ensures stable, high-fidelity cultures of targeted primary cells, delivering consistent quality and reproducible results.



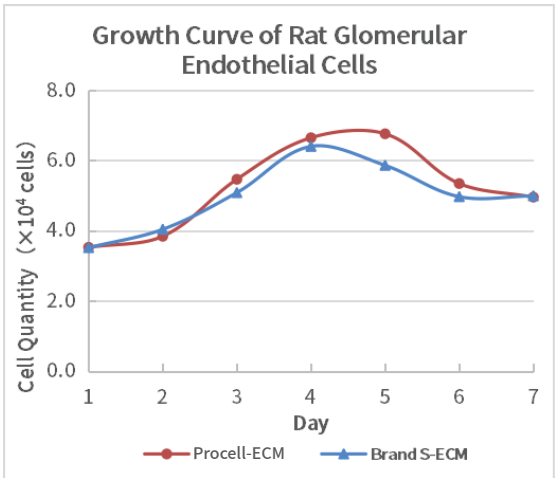
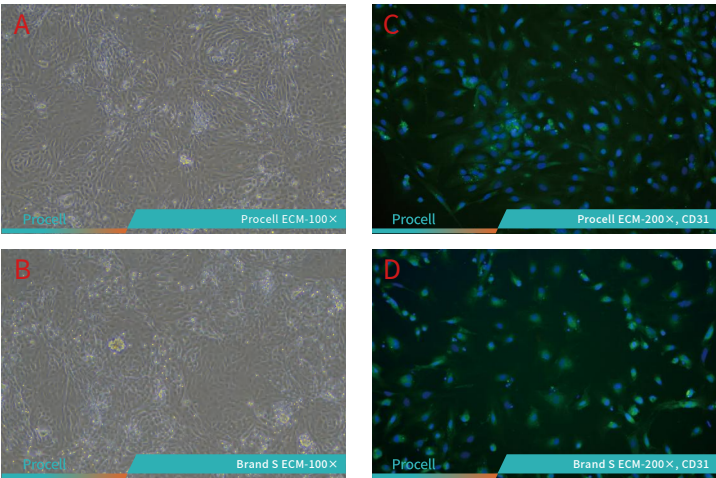
■ Product Catalog

Product Name	Cat. No.	Size
Endothelial Cell Medium (ECM)	CM-ZY001	500 mL
Epithelial Cell Medium (EpiCM)	CM-ZY002	
Fibroblast Medium (FM)	CM-ZY005	
Neural Stem Cell Medium (NSCM)	CM-ZY004	
Neuronal Medium (NM)	CM-ZY003	
Smooth Muscle Cell Medium (SMCM)	CM-ZY006	
Smooth Muscle Cell Medium-Mouse (SMCM-m)	CM-ZY007	

■ Exemplary Growth Integrity



The Procell **Endothelial Cell Medium (Cat. No.: CM-ZY001)** has been validated to support endothelial cell culture across an array of species and tissue origins.



The Procell **Endothelial Cell Medium (Cat. No.: CM-ZY001)** demonstrates comparable performance to the Brand S ECM in the culture of rat glomerular endothelial cells.

➤ Universal Complete Growth Media

Basal Universal Complete Growth Media is formulated from a series of Procell Liquid Basal Media enriched with precisely selected nutrients and supplements to create a ready-to-use format. Packaged conveniently in 125 mL×4 aliquots, it reduces the need for additional sub-aliquoting and minimizes contamination risks. Offered in 10% and 20% nutrient concentrations it accommodates diverse cellular nutritional requirements and supports a broad spectrum of cell culture applications.

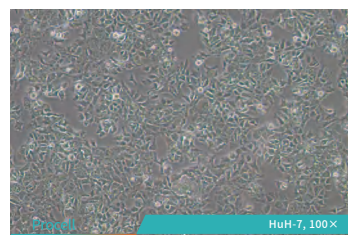
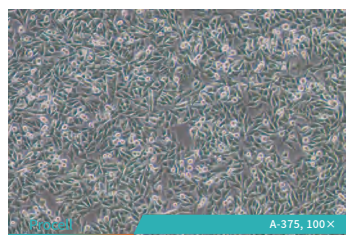
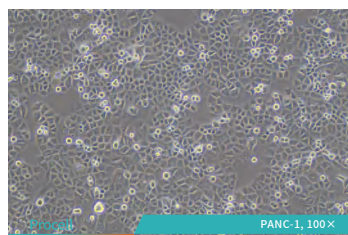
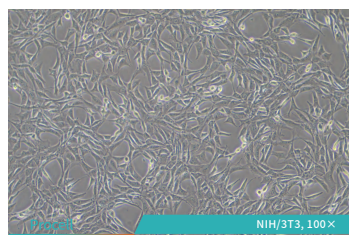


■ Product Catalog

Product Name	Cat. No.	Size
DMEM (High glucose) Complete Medium (10)	PM150210B	125 mL×4
DMEM (High glucose) Complete Medium (20)	PM150210C	
DMEM/F12 (with HEPES) Complete Medium (10)	PM150310B	
DMEM/F12 (with HEPES) Complete Medium (20)	PM150310C	
DMEM/F12 Complete Medium (10)	PM150312B	
IMDM Complete Medium (10)	PM150510B	
M199 Complete Medium (10)	PM150610B	
McCoy's 5A Complete Medium (10)	PM150710B	
MEM (with NEAA) Complete Medium (10)	PM150410B	
MEM Complete Medium (10)	PM150411B	
MEMα Complete Medium (10)	PM150421B	
RPMI-1640 Complete Medium (10)	PM150110B	
RPMI-1640 Complete Medium (20)	PM150110C	

For more Universal Complete Growth Media, please visit www.procellsystem.com or contact local distributors.

■ Universal Growth Performance



NIH/3T3, PANC-1, A-375, and HuH-7 cell lines were simultaneously cultured using **DMEM (High Glucose) Complete Medium (10)** (Cat. No.: **PM150210B**). All cell lines exhibited good growth performance, indicating the medium's excellent versatility and broad applicability.

➤ Nanobacteria Removal Complete Growth Media

Nanobacteria Removal Complete Growth Media is built upon Universal Complete Growth Media and fortified with specialized agents that effectively eliminate nanobacterial contamination. Nanobacteria, frequently encountered in routine cell culture, can compromise cellular integrity and undermine experimental stability and reproducibility. This medium facilitates both early-stage decontamination and ongoing prevention, ensuring high-quality cell culture and reliable experimental outcomes.



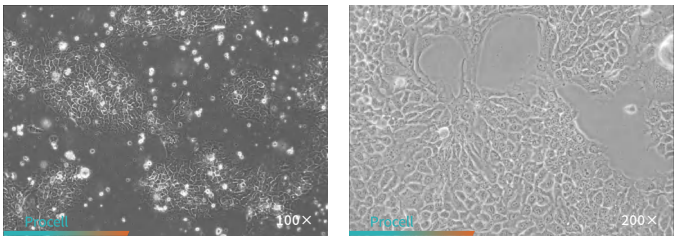
■ Product Catalog

Product Name	Cat. No.	Size
Nanobacteria Removal Complete Medium (10) (DMEM (High glucose))	PM150210B-HR	100 mL
Nanobacteria Removal Complete Medium (10) (DMEM/F12)	PM150312B-HR	
Nanobacteria Removal Complete Medium (10) (DMEM/F12, with HEPES)	PM150310B-HR	
Nanobacteria Removal Complete Medium (10) (IMDM)	PM150510B-HR	
Nanobacteria Removal Complete Medium (10) (M199)	PM150610B-HR	
Nanobacteria Removal Complete Medium (10) (McCoy's 5A)	PM150710B-HR	
Nanobacteria Removal Complete Medium (10) (MEM, with NEAA)	PM150410B-HR	
Nanobacteria Removal Complete Medium (10) (MEMα)	PM150421B-HR	
Nanobacteria Removal Complete Medium (10) (RPMI-1640)	PM150110B-HR	
Nanobacteria Removal Complete Medium (20) (DMEM (High glucose))	PM150210C-HR	
Nanobacteria Removal Complete Medium (20) (RPMI-1640)	PM150110C-HR	

For more Nanobacteria Removal Complete Growth Media, please visit www.procellsystem.com or contact local distributors.

■ Validated for Culture Reliability

Microscopic observation of the Nanobacteria removal effect in HCC827 cells (left: before removal; right: after removal)



Under microscopic examination of HCC827 cells contaminated with nanobacteria, numerous floating dead cells and small granular debris/black dots were visible in the culture medium. The cells exhibited abnormal morphology and reduced proliferation rate. After treatment with **Nanobacteria Removal Complete Medium (10) (RPMI-1640) (Cat. No.: PM150110B-HR)**, cell health significantly improved, the culture background appeared clean, and the proliferation rate returned to normal.

➤ Procell Complete Growth Media in Peer-Reviewed Papers

Product Name	Cat. No.	Title	Journal/Year
MCF 10A Cell Complete Medium	CM-0525	Corynebacterium parakroppenstedtii secretes a novel glycolipid to promote the development of granulomatous lobular mastitis	<i>Signal Transduction and Targeted Therapy</i> (2024)
DMEM/F12 Complete Medium (10)	PM150312B	Exosomal transfer of pro-pyrototic miR-216a-5p exacerbates anthracycline cardiotoxicity through breast cancer-heart pathological crosstalk	<i>Signal Transduction and Targeted Therapy</i> (2025)
AGS Cell Complete Medium	CM-0022	Hsa_circ_0136666 stimulates gastric cancer progression and tumor immune escape by regulating the miR-375/PRKDC Axis and PD-L1 phosphorylation	<i>Molecular Cancer</i> (2023)
IMR-90 Cells Complete Medium	CM-0538	Ultrathin hydrogel films toward breathable skin-integrated electronics	<i>Advanced Materials</i> (2022)
DMEM (High glucose) Complete Medium (10)	PM150210B	N6-methyladenosine-modified SENP1, identified by IGF2BP3, is a novel molecular marker in acute myeloid leukemia and aggravates progression by activating AKT signal via de-SUMOylating HDAC2	<i>Molecular Cancer</i> (2024)
IMDM Complete Medium (10)	PM150510B		
RPMI-1640 Complete Medium (10)	PM150110B		
Mouse Aortic Endothelial Cell Complete Medium	CM-M075	Sweetener aspartame aggravates atherosclerosis through insulin-triggered inflammation	<i>Cell Metabolism</i> (2025)
PUMC-HUVEC-T1 Cell Complete Medium	CM-0675	Enhanced nanoparticle delivery across vascular basement membranes of tumours using nitric oxide	<i>Nature Biomedical Engineering</i> (2025)
Human Brain Venous Vascular Smooth Muscle cell Complete Medium	CM-H118	ADAM9: A regulator between HCMV infection and function of smooth muscle cells	<i>Journal of Medical Virology</i> (2022)
SH-SY5Y [SHSY-5Y] Cell Complete Medium	CM-0208	Dual-pathway targeted therapy for Parkinson's disease: Biomimetic nanosomes inhibit ferroptosis and pyroptosis through NLRP3 inflammasome regulation	<i>Bioactive Materials</i> (2025)
BV2(DMEM) Cell Complete Medium	CM-0493A		
3T3-L1 Cell Complete Medium	CM-0006	A lignin-based controlled/sustained release hydrogel by integrating mechanical strengthening and bioactivities of lignin	<i>Journal of Bioresources and Bioproducts</i> (2024)
Mouse Renal Tubular Epithelial cell Complete Medium	CM-M062	Hypermethylation leads to the loss of HOXA5, resulting in JAG1 expression and NOTCH signaling contributing to kidney fibrosis	<i>Kidney International</i> (2024)
Mouse Renal Tubular Epithelial cell Complete Medium	CM-M062	Downregulation of G protein-coupled receptor kinase 4 protects against kidney ischemia-reperfusion injury	<i>Kidney International</i> (2023)
Mouse Bone Marrow Mesenchymal Stem Cell Complete Medium	CM-M131	Senescent macrophages induce ferroptosis in skeletal muscle and accelerate osteoarthritis-related muscle atrophy	<i>Nature Aging</i> (2025)
Human Bone Marrow Mesenchymal Stem cell Complete Medium	CM-H166	Selenoprotein-regulated hydrogel for ultrasound-controlled microenvironment remodeling to promote bone defect repair	<i>Advanced Functional Materials</i> (2024)
RAW 264.7 Cell Complete Medium	CM-0190	Targeting macrophages via ultrasonic contrast microspheres for monitoring and treatment of knee synovitis	<i>Advanced Functional Materials</i> (2024)
KYSE-30 Cells Complete Medium	CM-0577	Instant intracellular delivery of miRNA via photothermal effect induced on plasmonic pyramid arrays	<i>Advanced Functional Materials</i> (2021)
Mouse Peripheral Blood Immature Dendritic Cell Complete Medium	CM-M193A	Four-pronged nanomotor strategy achieves efficient tnbc treatment via synergistic chemo-photothermal-immune therapy	<i>Advanced Functional Materials</i> (2025)

For more citation information, please visit www.procellsystem.com.

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