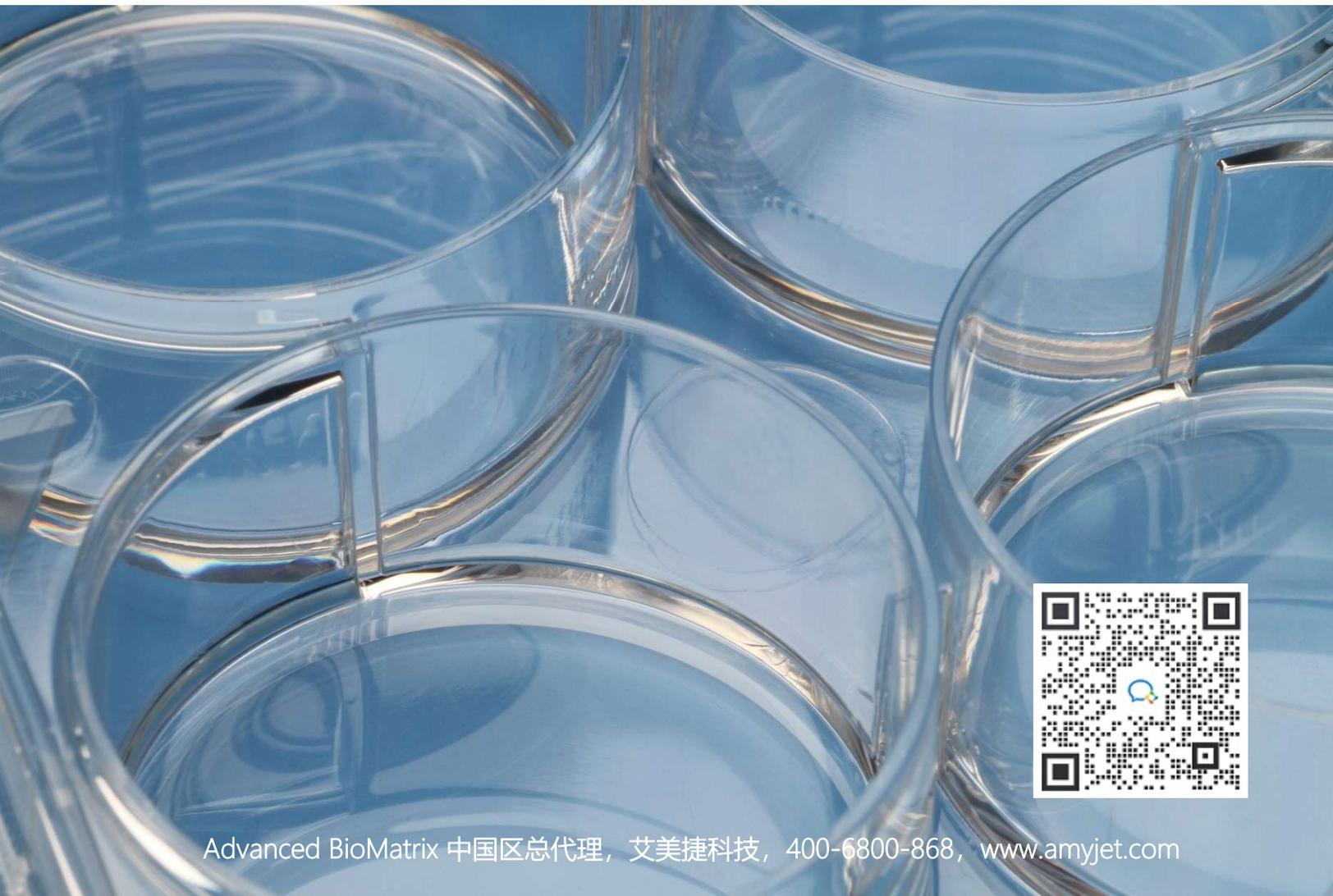


**ADVANCED
BIOMATRIX** 
A BICO COMPANY

 **AmyJet Scientific**
艾美捷科技

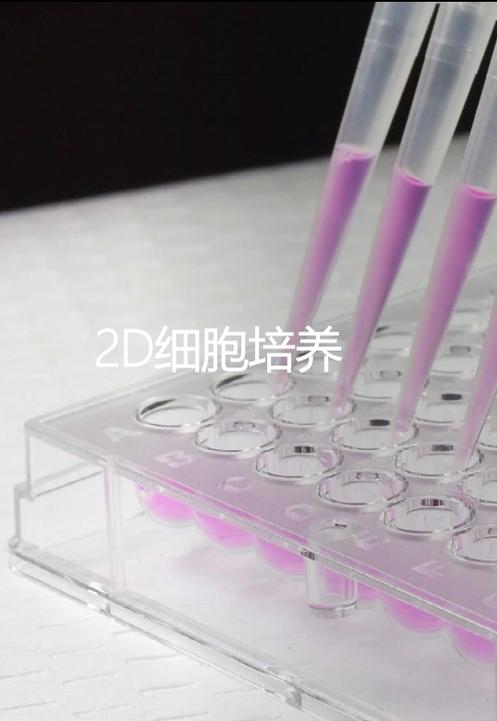
From 2D to 3D

还原体内环境



超级应用!

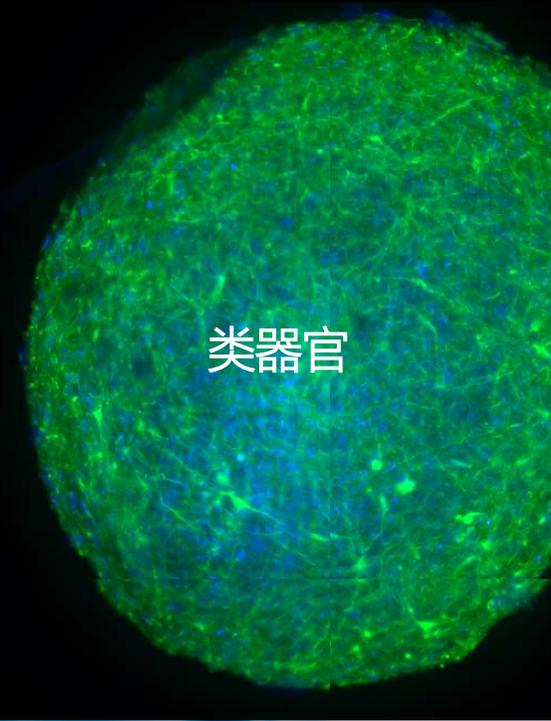
2D细胞培养



微流控芯片



类器官



3D水凝胶



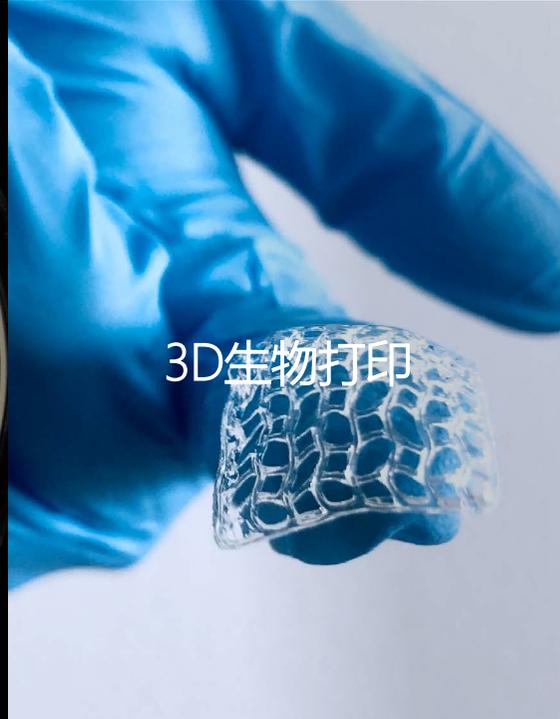
药物传递



组织工程



3D生物打印



药物筛选



领先的技术

Advanced BioMatrix提供一系列高纯度和一致性的生物材料，以支持整个工作流程——从2D细胞培养到3D组织工程。

这些生物材料的整个目的是帮助研究者在研究中还原/复制体内环境。通过以下步骤，你可以实现将研究从2D过渡到3D：

3D组织工程步骤

Step 1

优化
细胞外
基质

Step 2

优化
基质
硬度

Step 3

选择
3D
水凝胶

(培养模型)

Step 4

选择
生物
墨水

(3D生物打印模型)



步骤1: 确定最佳的细胞外基质 (ECM)

ECM Select[®] Array Slide



ECM Select[®] Array Kit Ultra-36, 是一种细胞外基质筛选阵列, 可帮助您找到最适合您的细胞的最佳细胞外基质 (ECM) 蛋白质。该产品包含36个 ECM 条件, 每个条件都以9个复制斑点 (直径400 μm) 印刷在水凝胶表面上。艾美捷强烈推荐!

通过仅进行简单的一夜实验, 您可以确定哪种ECM最适合您的细胞附着。条件包括胶原蛋白、II、III、IV、V、VI、纤维连接蛋白、层粘连蛋白、血粘蛋白、弹性原纤维蛋白和这些蛋白质的混合物, 共36种组合。

测试基质

Category	Catalog #	Description	Product Size	Package Size	Source
ECM Select [®]	5170-1EA	ECM Select [®] Array Kit Ultra-36	1 slide	Kit	Human
CytoSoft [®] Discovery Kit	5190-7EA	CytoSoft [®] Discovery Kit, 6-Well Plates	6 well	7 Plates	Synthetic
Collagen Hybridizing Peptides	5264-60UG	5-FAM Conjugate Collagen Hybridizing Peptide (Green)	0.3 mg	EA	Synthetic
	5265-60UG	Biotin Conjugate Collagen Hybridizing Peptide (Biotin)	0.3 mg	EA	Synthetic
	5276-60UG	CY3 Conjugate Collagen Hybridizing Peptide (Red)	0.3 mg	EA	Synthetic
ECM Dissociation	5030-50MG	Collagenase, Lyophilized Powder, 50 mg	50 mg	EA	Clostridium Histolyticum

2D-包被涂层和粘附材料

Category	Catalog #	Description	Product Size	Package Size	Source
Collagen I	5005-100ML	PureCol®, Bovine Collagen, 3 mg/mL, 100 mL	100 mL	EA	Bovine
	5005-1000ML	PureCol®, Bovine Collagen, 3 mg/mL, 1000 mL	1000 mL	EA	Bovine
	5006-15MG	PureCol®, Bovine Collagen, Lyophilized, 15 mg	15 mg	EA	Bovine
	5007-20ML	VitroCol®, Human Collagen, Solution, 3 mg/mL, 20 mL	20 mL	EA	Human
	5007-100ML	VitroCol®, Human Collagen, Solution, 3 mg/mL, 100 mL	100 mL	EA	Human
	5008-15MG	VitroCol®, Human Collagen, Lyophilized, 15 mg	15 mg	EA	Human
	5026-1KIT	TeloCol®-3, Solution, Acid Soluble, 3 mg/ml + Neutralization Solution	50 mL	Kit	Bovine
	5153-1KIT	Rat Tail Collagen Solution, Acid Soluble, 100 mg + Neutralization Solution	100 mg	Kit	Rat tail
	5056-20ML	Rat Tail Collagen Solution, Acid Soluble, 4 mg/ml	20 mL	EA	Rat tail
	VL5000000010	Lyophilized Rat Tail Collagen, 100 mg	100 mg	EA	Rat tail
Collagen IV	5022-5MG	Collagen, Human, Type IV, Lyophilized, 5 mg	5 mg	EA	Human
	5016-5MG	Collagen, Human, Type IV, Powder, Non-sterile, 5 mg	5 mg	EA	Human
Laminins	5406-2EA	Laminin 111, 0.35 mg	0.35 mg	EA	Recombinant
	5346-2EA	Laminin 221, 0.35 mg	0.35 mg	EA	Recombinant
	5345-2EA	Laminin 411, 0.35 mg	0.35 mg	EA	Recombinant
	5344-6EA	Laminin 511, 1.05 mg	1.05 mg	EA	Recombinant
Fibronectin	5080-5MG	Fibronectin, Human, Lyophilized 5.0 mg	5 mg	EA	Human
	5050-1MG	Fibronectin, Human, 1.0 mg	1 mg	EA	Human
Vitronectin	5051-0.1MG	Vitronectin, Human, 0.1 mg	0.1 mg	EA	Human
	5121-0.5MG	Vitronectin, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
Tropoelastin	5052-1MG	Tropoelastin, Human, Recombinant, Lyophilized, 1 mg	1 mg	EA	Recombinant

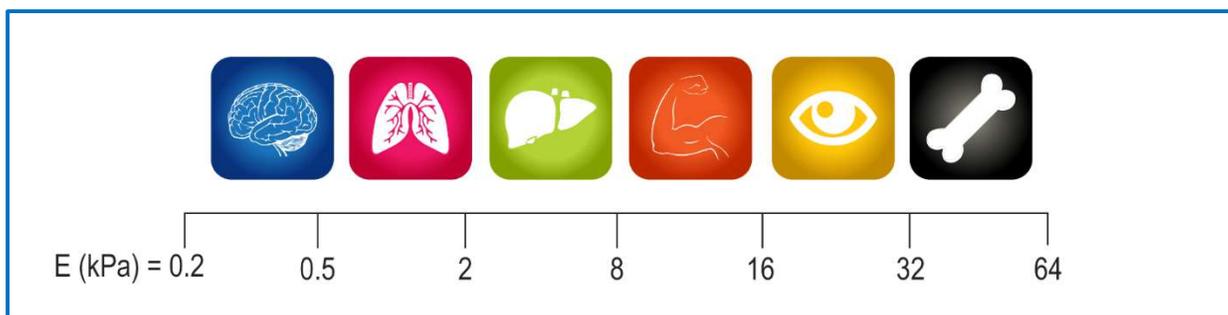
Category	Catalog #	Description	Product Size	Package Size	Source
Cadherins	5086-0.1MG	CD2, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5124-0.05MG	CDH3, Human, Recombinant, 0.05 mg	0.05 mg	EA	Recombinant
	5125-0.1MG	CDH13, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5089-0.1MG	CD14, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5090-0.1MG	CDH18, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5093-0.1MG	CD40, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5096-0.1MG	CD86, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5100-0.05MG	CD164, Human, Recombinant, 0.05 mg	0.05 mg	EA	Recombinant
	5127-0.1MG	CD270, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5126-0.1MG	CD274, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5123-0.1MG	CD276, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant
	5085-0.1MG	E-Cadherin, Human, Recombinant, 0.1 mg	0.1 mg	EA	Human
5107-0.1MG	ICAM2, Human, Recombinant, 0.1 mg	0.1 mg	EA	Recombinant	
Adhesion Peptides	5020-5MG	PEPTITE-2000®, RGD Peptide, 5 mg	5 mg	EA	Recombinant
	5049-50ML	Poly-D-Lysine, Solution, 0.1 mg/mL	50 mL	EA	Synthetic
	5174-5MG	Poly-D-Lysine, Powder, 5 mg	5 mg	EA	Synthetic
	5048-50ML	Poly-L-Lysine, Solution, 0.1 mg/mL	50 mL	EA	Synthetic
	5173-5MG	Poly-L-Lysine, Powder, Sterilized, 5 mg	5 mg	EA	Synthetic
	5058-50ML	Poly-L-Ornithine, Solution, 0.1 mg/mL	50 mL	EA	Synthetic
	5172-5MG	Poly-L-Ornithine, Powder, 5 mg	5 mg	EA	Synthetic

步骤2：确定最佳基质硬度

与生理相关的CytoSoft® 基质

CytoSoft®板具有一层功能化硅胶，硬度选项包括0.2、0.5、2、8、16、32和64 kPa，使您能够在与生理相关的基质上培养细胞。

- 基质硬度影响传播、基因表达、形态学、多能性、迁移、分化和谱系特异性。



- 使用CytoSoft® Discovery Kit来发现最佳硬度，该套件包含每种硬度的板。将最佳ECM从ECM Select®阵列涂覆在板上。
- 使用CytoSoft® Imaging Plates进行高分辨率、出版质量的图像。
- 利用T-25、T-75或6孔板进行细胞扩增，进一步研究，或在与生理相关的基质上对细胞进行条件培养，用于研究、水凝胶或3D生物打印。



Category	Catalog #	Description	Product Size	Package Size	Source
6-well Plates	5190-7EA	CytoSoft® Discovery Kit, 6-Well Plates	6 well	7 Plates	Synthetic
	5165-5EA	CytoSoft® 6-well Plate, Elastic Modulus 0.2 kPa	6 well	5 Plates	Synthetic
	5140-5EA	CytoSoft® 6-well Plate, Elastic Modulus 0.5 kPa	6 well	5 Plates	Synthetic
	5141-5EA	CytoSoft® 6-well Plate, Elastic Modulus 2 kPa	6 well	5 Plates	Synthetic
	5142-5EA	CytoSoft® 6-well Plate, Elastic Modulus 8 kPa	6 well	5 Plates	Synthetic
	5143-5EA	CytoSoft® 6-well Plate, Elastic Modulus 16 kPa	6 well	5 Plates	Synthetic
	5144-5EA	CytoSoft® 6-well Plate, Elastic Modulus 32 kPa	6 well	5 Plates	Synthetic
	5145-5EA	CytoSoft® 6-well Plate, Elastic Modulus 64 kPa	6 well	5 Plates	Synthetic

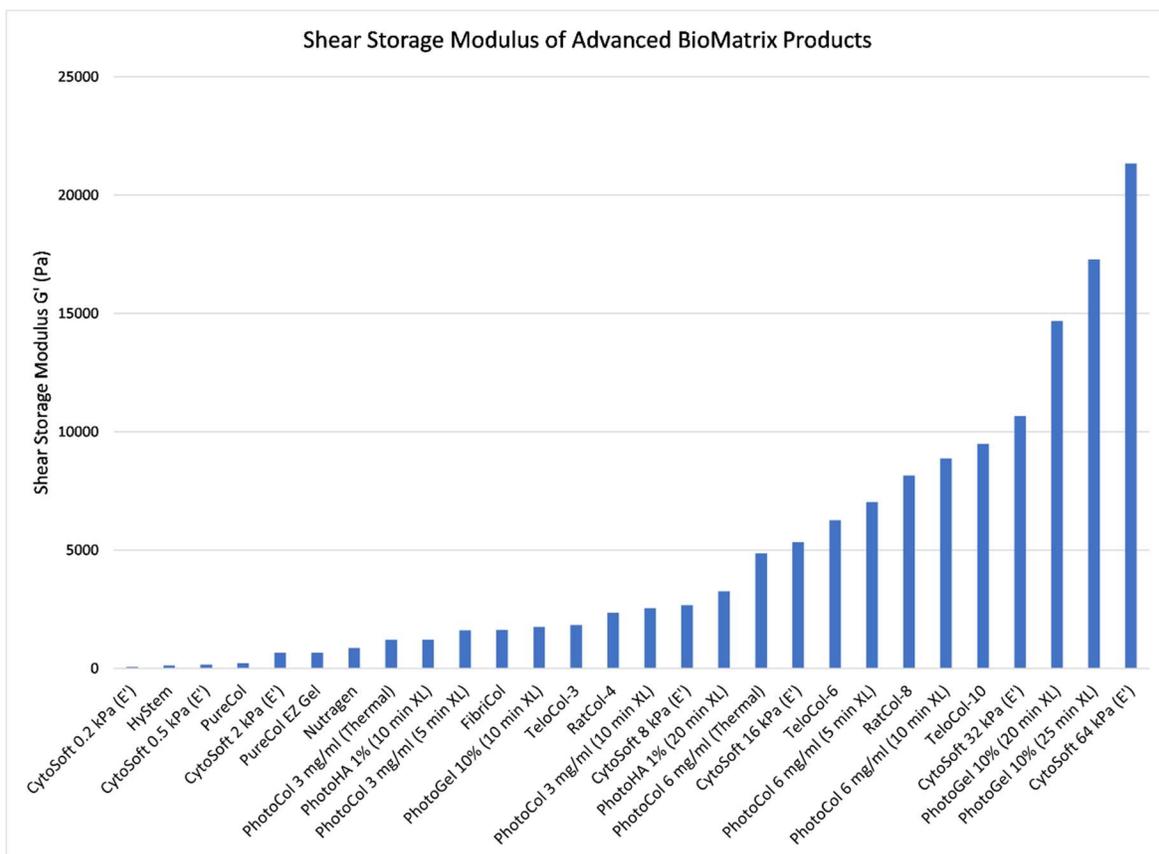
Category	Catalog #	Description	Product Size	Package Size	Source
24-well Imaging Plates	5183-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 0.2 kPa	24 well	EA	Synthetic
	5184-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 0.5 kPa	24 well	EA	Synthetic
	5185-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 2 kPa	24 well	EA	Synthetic
	5186-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 8 kPa	24 well	EA	Synthetic
	5187-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 16 kPa	24 well	EA	Synthetic
	5188-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 32 kPa	24 well	EA	Synthetic
	5189-1EA	CytoSoft® Imaging 24-well Plate, Elastic Modulus 64 kPa	24 well	EA	Synthetic
96-well Imaging Plates	5255-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 0.2 kPa	96 well	EA	Synthetic
	5256-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 0.5 kPa	96 well	EA	Synthetic
	5257-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 2 kPa	96 well	EA	Synthetic
	5258-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 8 kPa	96 well	EA	Synthetic
	5259-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 16 kPa	96 well	EA	Synthetic
	5260-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 32 kPa	96 well	EA	Synthetic
	5261-1EA	CytoSoft® Imaging 96-well Plate, Elastic Modulus 64 kPa	96 well	EA	Synthetic
T-25 Flasks	5316-10EA	CytoSoft, T-25 Flasks, 0.2 kPa	T-25 Flask	10 Flasks	Synthetic
	5317-10EA	CytoSoft, T-25 Flasks, 0.5 kPa	T-25 Flask	10 Flasks	Synthetic
	5318-10EA	CytoSoft, T-25 Flasks, 2 kPa	T-25 Flask	10 Flasks	Synthetic
	5319-10EA	CytoSoft, T-25 Flasks, 8 kPa	T-25 Flask	10 Flasks	Synthetic
	5320-10EA	CytoSoft, T-25 Flasks, 16 kPa	T-25 Flask	10 Flasks	Synthetic
	5321-10EA	CytoSoft, T-25 Flasks, 32 kPa	T-25 Flask	10 Flasks	Synthetic
	5322-10EA	CytoSoft, T-25 Flasks, 64 kPa	T-25 Flask	10 Flasks	Synthetic
T-75 Flasks	5323-6EA	CytoSoft, T-75 Flasks, 0.2 kPa	T-75 Flask	6 Flasks	Synthetic
	5324-6EA	CytoSoft, T-75 Flasks, 0.5 kPa	T-75 Flask	6 Flasks	Synthetic
	5325-6EA	CytoSoft, T-75 Flasks, 2 kPa	T-75 Flask	6 Flasks	Synthetic
	5326-6EA	CytoSoft, T-75 Flasks, 8 kPa	T-75 Flask	6 Flasks	Synthetic
	5327-6EA	CytoSoft, T-75 Flasks, 16 kPa	T-75 Flask	6 Flasks	Synthetic
	5328-6EA	CytoSoft, T-75 Flasks, 32 kPa	T-75 Flask	6 Flasks	Synthetic
	5329-6EA	CytoSoft, T-75 Flasks, 64 kPa	T-75 Flask	6 Flasks	Synthetic

步骤3：选择3D水凝胶

选择合适的生物材料

艾美捷为您提供Advanced BioMatrix全系列的生物材料，可以与所需的ECM（根据ECM Select®）以及通过CytoSoft®确定的最佳基质硬度形成3D水凝胶。

水凝胶可以通过热交联、化学交联和光交联等多种形式形成。额外的调整，如浓度、时间、温度、光引发剂、光强度等，为您提供了更多的定制和灵活性，以适应任何实验或应用。



注意 - 上述图表中的数据是以G'收集的。要转换为杨氏模量（由CytoSoft®表示），可以将G'乘以x3。

热交联	化学交联	光交联
Atelocollagen	HyStem®	PhotoCol® Methacrylated Collagen
Telocollagen	HyStem®-C	PhotoGel® Methacrylated Gelatin
Mebiol®	HyStem®-HP	PhotoHA® Methacrylated Hyaluronic Acid
Silk Fibroin	Alginate	PhotoAlginate® Methacrylated Alginate
Lifeink®	Methacrylated Alginate	PhotoDextran® Methacrylated Dextran
		PEGDA

3D水凝胶：热/化学交联

Category	Catalog #	Description	Product Size	Package Size	Source
Collagen I	5005-100ML	PureCol [®] , Bovine Collagen, 3 mg/mL, 100 mL	100 mL	EA	Bovine
	5005-1000ML	PureCol [®] , Bovine Collagen, 3 mg/mL, 1000 mL	1000 mL	EA	Bovine
	5074-35ML	PureCol [®] EZ Gel, Bovine Collagen, DMEM/F-12 Solution	35 mL	EA	Bovine
	5010-50ML	Nutrigen [®] , Bovine Collagen, Solution, 6 mg/mL, 50 mL	50 mL	EA	Bovine
	5010-1000ML	Nutrigen [®] , Bovine Collagen, Solution, 6 mg/mL, 1000 mL	1000 mL	EA	Bovine
	5133-20ML	FibriCol [®] , Bovine Collagen Solution, 10 mg/mL, 20 mL	20 mL	EA	Bovine
	5133-100ML	FibriCol [®] , Bovine Collagen Solution, 10 mg/mL, 100 mL	100 mL	EA	Bovine
	5007-20ML	VitroCol [®] , Human Collagen, Solution, 3 mg/mL, 20 mL	20 mL	EA	Human
	5007-100ML	VitroCol [®] , Human Collagen, Solution, 3 mg/mL, 100 mL	100 mL	EA	Human
	5026-1KIT	TeloCol [®] -3, Solution, Acid Soluble, 3 mg/ml + Neutralization Solution	50 mL	Kit	Bovine
	5225-1KIT	TeloCol [®] -6, Solution, Acid Soluble, 6 mg/ml + Neutralization Solution	50 mL	Kit	Bovine
	5226-20ML	TeloCol [®] -10, Solution, Acid Soluble, 10 mg/ml	20 mL	EA	Bovine
	5153-1KIT	Rat Tail Collagen Solution, Acid Soluble, 100 mg + Neutralization Solution	100 mg	Kit	Rat tail
CoIMA	5198-100MG	PhotoCol [®] Methacrylated Type I Collagen (Collagen Only)	100 mg	EA	Bovine
	5270-1KIT	PhotoCol [®] -LAP Methacrylated Collagen + LAP Kit	100 mg	Kit	Bovine
	5201-1KIT	PhotoCol [®] -IRG Methacrylated Collagen + Irgacure Kit	100 mg	Kit	Bovine
	5271-1KIT	PhotoCol [®] -RUT Methacrylated Collagen + Ruthenium Kit	100 mg	Kit	Bovine

Category	Catalog #	Description	Product Size	Package Size	Source
HyStem®	GS310F	HyStem® Thiol-Modified Hyaluronic Acid 2.5 mL Trial Kit	2.5 mL	Kit	Recombinant
	GS311F	HyStem® Thiol-Modified Hyaluronic Acid Kit 7.5 mL	7.5 mL	Kit	Recombinant
	GS1005F	HyStem®-C Thiol-Modified Hyaluronic Acid + Gelatin 12.5 mL Kit (Experienced Users Only)	12.5 mL	Kit	Recombinant
	GS312F	HyStem®-C Thiol-Modified Hyaluronic Acid + Gelatin 2.5 mL Trial Kit	2.5 mL	Kit	Recombinant
	GS313F	HyStem®-C Thiol-Modified Hyaluronic Acid + Gelatin Kit 7.5 mL	7.5 mL	Kit	Recombinant
	GS1004F	HyStem® Thiol-Modified Hyaluronic Acid 12.5 mL Kit (Experienced Users Only)	12.5 mL	Kit	Recombinant
	GS314F	HyStem®-HP Thiol-Modified Hyaluronic Acid/Heparin 2.5 mL Trial Kit	2.5 mL	Kit	Recombinant
	GS315F	HyStem®-HP Thiol-Modified Hyaluronic Acid/Heparin Kit 7.5 mL	7.5 mL	Kit	Recombinant
	GS1006F	HyStem®-HP Thiol-Modified Hyaluronic Acid/Heparin 12.5 mL Kit (Experienced Users)	12.5 mL	Kit	Recombinant
	GS222F-5EA	Glycosil® Thiol-Modified hyaluronic acid (5 units x 1 mL)	1 mL	5 Units	Recombinant
	GS220F	Glycosil® Thiol-Modified hyaluronic acid 5 mL	5 mL	EA	Recombinant
	GS231F-5EA	Gelin-S® Thiol-Modified Gelatin (5 units x 1 mL)	1 mL	5 Units	Porcine
	GS230F	Gelin-S® Thiol-Modified Gelatin 5 mL	5 mL	EA	Porcine
	GS217F-5EA	Hepasil® Thiol-Modified hyaluronic Acid/Heparin (5 units x 1 mL)	1 mL	5 Units	Recombinant
	GS215F	Hepasil® Thiol-Modified hyaluronic Acid/Heparin 5 mL	5 mL	EA	Recombinant
	GS3007F-10EA	Extralink® PEGDA (10 units x 0.5 mL)	0.5 mL	10 Units	Synthetic
	GS3006F-5EA	Extralink® PEGDA (5 units x 2.5 mL)	2.5 mL	5 Units	Synthetic
	GS3009F-10EA	Extralink®-Lite PEGDA (10 units x 0.5 mL)	0.5 mL	10 Units	Synthetic
	GS3008F-5EA	Extralink®-Lite PEGDA (5 units x 2.5 mL)	2.5 mL	5 Units	Synthetic
	GS755-2EA	PEGSSDA (2 units x 0.5 mL)	0.5 mL	2 Units	Synthetic
Silk Fibroin	5154-20ML	Fibroin Silk Solution, 50 mg/ml	20 mL	EA	Bombyx mori silkworm
	5352-1GM	Lyophilized Silk Fibroin, 1 gram	1 gram	EA	Bombyx mori silkworm
Thermoreversible Hydrogels	5180-10ML	Mebiol®, Lyophilized, 10 mL	10 mL	EA	Synthetic

3D水凝胶：可调节的光交联

Category	Catalog #	Description	Product Size	Package Size	Source
ColMA	5198-100MG	PhotoCol® Methacrylated Type I Collagen (Collagen Only)	100 mg	EA	Bovine
	5270-1KIT	PhotoCol®-LAP Methacrylated Collagen + LAP Kit	100 mg	Kit	Bovine
	5201-1KIT	PhotoCol®-IRG Methacrylated Collagen + Irgacure Kit	100 mg	Kit	Bovine
	5271-1KIT	PhotoCol®-RUT Methacrylated Collagen + Ruthenium Kit	100 mg	Kit	Bovine

Category	Catalog #	Description	Product Size	Package Size	Source
GelMA	VL3500000502	PhotoGel 50% DOM, 2 x 500mg	500 mg	2 Units	Porcine
	5399-1KIT	PhotoGel® 50% DS with LAP Kit	1 gram	Kit	Porcine
	5398-1KIT	PhotoGel® 50% DS with Irgacure Kit	1 gram	Kit	Porcine
	5400-1KIT	PhotoGel® 50% DS with Ruthenium Kit	1 gram	Kit	Porcine
	5208-1GM	PhotoGel® Methacrylated Gelatin (Gelatin Only)	500 mg	2 Units	Porcine
	5272-1KIT	PhotoGel®-LAP Methacrylated Gelatin + LAP Kit	1 gram	Kit	Porcine
	5215-1KIT	PhotoGel®-IRG Methacrylated Gelatin + Irgacure Kit	1 gram	Kit	Porcine
	5273-1KIT	PhotoGel®-RUT Methacrylated Gelatin + Ruthenium Kit	1 gram	Kit	Porcine
HAMA	5212-100MG	PhotoHA® Methacrylated Hyaluronic Acid (HA Only)	100 mg	EA	Recombinant
	5274-1KIT	PhotoHA®-LAP Methacrylated Hyaluronic Acid + LAP Kit	100 mg	Kit	Recombinant
	5220-1KIT	PhotoHA®-IRG Methacrylated Hyaluronic Acid + Irgacure Kit	100 mg	Kit	Recombinant
	5275-1KIT	PhotoHA®-RUT Methacrylated Hyaluronic Acid + Ruthenium Kit	100 mg	Kit	Recombinant
GMHA	5388-100MG	PhotoHA® Soft (100 mg, HA only)	100 mg	EA	Recombinant
	5404-1KIT	PhotoHA®-Soft with LAP Kit	100 mg	EA	Recombinant
	5403-1KIT	PhotoHA®-Soft with Irgacure Kit	100 mg	EA	Recombinant
	5405-1KIT	PhotoHA®-Soft with Ruthenium Kit	100 mg	EA	Recombinant
AlgMA	5310-200MG	PhotoAlginate, 200 mg, Methacrylated Alginate	200 mg	EA	Algae
	5354-1KIT	PhotoAlginate + LAP	200 mg	Kit	Algae
	5353-1KIT	PhotoAlginate + Irgacure	200 mg	Kit	Algae
	5355-1KIT	PhotoAlginate + Ruthenium	200 mg	Kit	Algae
DexMA	5311-1GM	PhotoDextran, Methacrylated Dextran, 1 gram	1 gram	EA	Recombinant
	5332-1KIT	PhotoDextran + LAP Kit	1 gram	Kit	Recombinant
	5331-1KIT	PhotoDextran + Irgacure Kit	1 gram	Kit	Recombinant
	5333-1KIT	PhotoDextran + Ruthenium Kit	1 gram	Kit	Recombinant
PEGDA	5337-1GM	PEGDA 1,000 MW bulk non-sterile powder, 1 Gram	1 gram	EA	Synthetic
	GS700	PEGDA 3400 MW bulk non-sterile powder, 1 gram	1 gram	EA	Synthetic
	GS705	PEGDA 3400 MW bulk non-sterile powder, 5 gram	5 grams	EA	Synthetic
	5339-1GM	PEGDA 6,000 MW bulk non-sterile powder, 1 Gram	1 gram	EA	Synthetic
	5340-1GM	PEGDA 10,000 MW bulk non-sterile powder, 1 Gram	1 gram	EA	Synthetic
	5341-1GM	PEGDA 20,000 MW bulk non-sterile powder, 1 Gram	1 gram	EA	Synthetic
Photoinitiators	5269-500MG	LAP Photoinitiator, non-sterile, 405 nm	500 mg	EA	Synthetic
	5200-5GM	Irgacure 5929 Photoinitiator, 5 grams, non-sterile	5 grams	EA	Synthetic
	5248-1KIT	Ruthenium, Visible Light Photocrosslinking Kit	1 Kit	Kit	Synthetic

步骤4：选择生物墨水进行3D生物打印

各种极具创新和先进的方法可用于3D生物打印支架和组织。常见的生物打印类型包括：

- 挤出 (BioX)
- 光刻(LumenX)
- 喷墨/纳米液滴(I.Dot)
- 多光子激光 (Quantum X Bio)
- 全息投影
- 声学



我们广泛的生物材料组合被全球范围内的各种生物打印应用所使用。可以混合和匹配蛋白质，创建与细胞和应用程序所需的正确ECM和力学环境相匹配的墨水，或使用我们（或我们的姊妹公司Cellink）的现成墨水之一。

挤出生物墨水

Category	Catalog #	Description	Product Size	Package Size	Source
Collagen I	5278-5ML	Lifeink® 200 Collagen Bioink, pH Neutral, 35 mg/ml	5 mL	EA	Bovine
	5278-50ML	Lifeink® 200 Collagen Bioink, pH Neutral, 35 mg/ml, 50 mL	50 mL	EA	Bovine
	5343-4ML	Lifeink 220, 70 mg/ml ph neutral collagen bioink, 4 mL	4ml	EA	Bovine
	5343-50ML	Lifeink 220, 70 mg/ml ph neutral bioink, 50 mL	50 mL	EA	Bovine
	5267-5ML	Lifeink® 240 Collagen Bioink, Acidic pH, 35 mg/ml	5 mL	EA	Bovine
	5267-50ML	Lifeink® 240 Collagen Bioink, Acidic pH, 35 mg/ml, 50 mL	50 mL	EA	Bovine
	5358-4ML	Lifeink® 260, 70 mg/ml acidic collagen bioink, 4 mL	4 mL	EA	Bovine
	5358-50ML	Lifeink® 260 Collagen Bioink, Acidic pH, 70 mg/ml, 50 mL	50 mL	EA	Bovine
GelMA	IK3051020303	GelMA Bioink with 0.25% LAP, 3 x 3 ml	3 mL	3 Units	Porcine
	IK3521020303	GelMA A Bioink with 0.25% LAP, 3 x 3 ml	3 mL	3 Units	Porcine
	IKG5L3000303	GelMA C Bioink with 0.25% LAP, 3 x 3 ml	3 mL	3 Units	Porcine
	IKG125000005	GelMA 20%, 5 mL	5 mL	EA	Porcine
Alginate	IKA325000503	Alginate 5%, 3 x 5mL	5 mL	3 Units	Algae
Pluronic	IKS400000503	Pluronic 40%, 3 x 5mL	5 mL	3 Units	Synthetic

DLP生物墨水

Category	Catalog #	Description	Product Size	Package Size	Source
GelMA	D16110025361	PhotoGel-INK 50%	25 mL	EA	Porcine
	D16110025360	PhotoGel-INK 95%	25 mL	EA	Porcine
HAMA	D16110025362	PhotoHA-INK Stiff	5 mL	EA	Recombinant
GMHA	D16110025376	PhotoHA-INK Soft	5 mL	EA	Recombinant
AlgMA	D16110025377	PhotoAlginate-INK	10 mL	EA	Algae
PEGDA	D16110025307	PEGDA -INK	10 mL	EA	Synthetic

生物打印材料

Category	Catalog #	Description	Product Size	Package Size	Source
LifeSupport®	5244-10GM	LifeSupport® Support Slurry for FRESH Bioprinting	2 grams	5 Units	Porcine
Probes & Plates	D16110025291	BIONOVA X Bioprinting Probe 6 well	1 Probe	EA	
	D16110025292	BIONOVA X Bioprinting Probe 12 well	1 Probe	EA	
	D16110025293	BIONOVA X Bioprinting Probe 24 well	1 Probe	EA	
	D16110025294	Adhesive 6 Well Glass Bottom Plate, 5 pack	6 well	5 Plates	
	D16110025295	Adhesive 12 Well Glass Bottom Plate, 5 pack	12 well	5 Plates	
	D16110025296	Adhesive 24 Well Glass Bottom Plate, 5 pack	24 well	5 Plates	
	D16110025297	Non-Adhesive 6 Well Glass Bottom Plate, 5 pack	6 well	5 Plates	
	D16110025298	Non-Adhesive 12 Well Glass Bottom Plate, 5 pack	12 well	5 Plates	
	D16110025299	Non-Adhesive 24 Well Glass Bottom Plate, 5 pack	24 well	5 Plates	

试剂

Category	Catalog #	Description	Product Size	Package Size	Source
Reagents	5076-100ML	Phosphate Buffered Saline (PBS), 10X	100 mL	EA	Synthetic
	5077-100ML	Hydrochloric Acid, Solution, 0.01M	100 mL	EA	Synthetic
	5078-100ML	Sodium Hydroxide, Solution, 0.1M	100 mL	EA	Synthetic
	GS240-10EA	Degassed Water, (10 units x 10 mL)	10 mL	10 Units	
	GS241-10EA	Degassed Water, (10 units x 20 mL)	20 mL	10 Units	
	GS250F-10EA	Reconstitution Buffer for HyStem® (1X PBS, pH 7.4) 10 mL	10 mL	EA	
	GS251F-20EA	Reconstitution Buffer for HyStem® (1X PBS, pH 7.4) 20 mL	20 mL	EA	

- 50+ 专利技术
- 200+ 产品组合
- 5000+ 文献引用



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