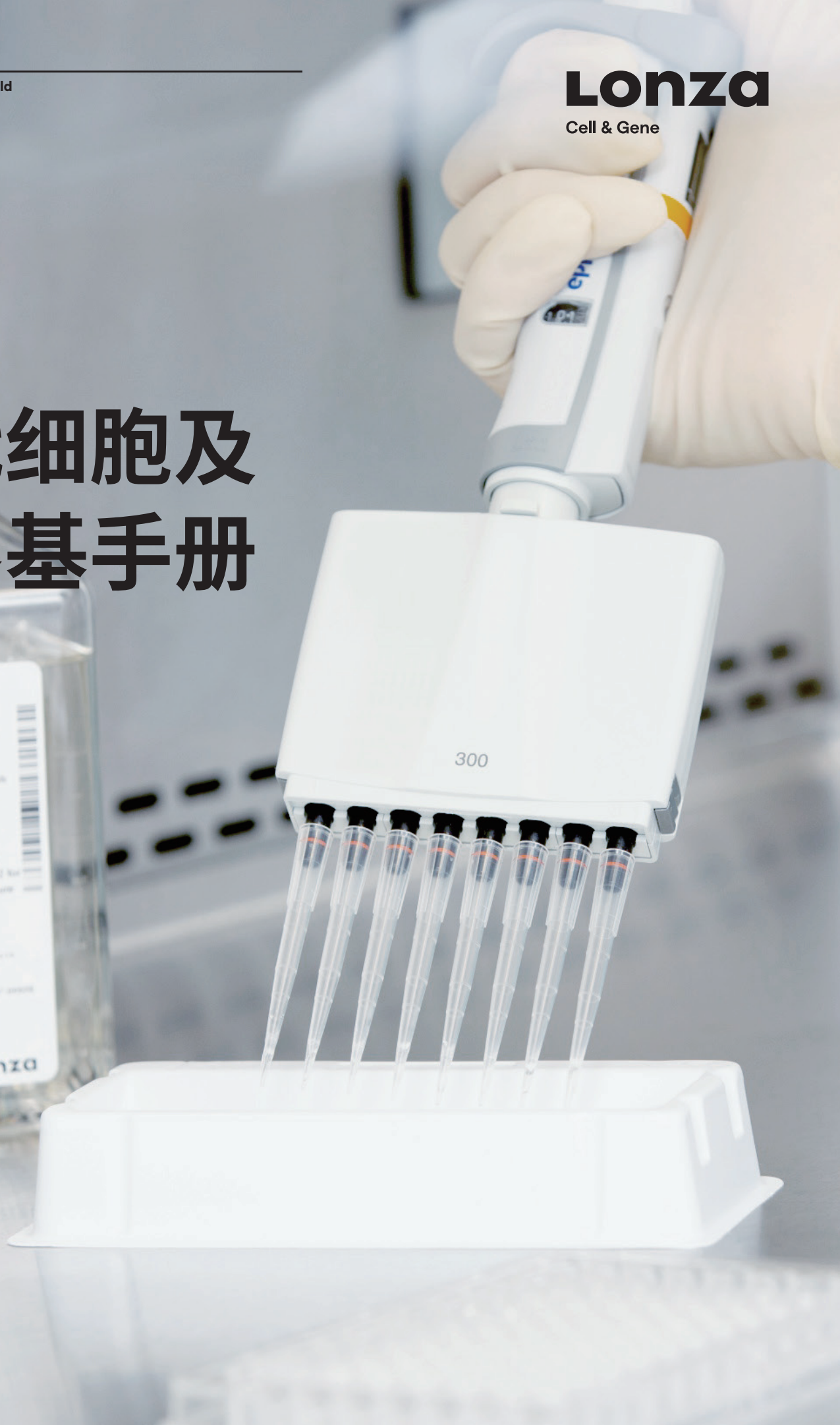


原代细胞及 培养基手册



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约150种产品组合满足不同人种/供体/组织来源的多样性



Lonza原代细胞培养基明星产品系列

产品系列1:

内皮细胞培养基 – EGM™-2

Lonza明星产品:货号CC-3162

应用

EGM-2培养基适合培养大多数类型的大血管内皮细胞。Lonza可以提供多种内皮细胞培养基,以轻松培养原代内皮细胞。每种内皮细胞生长培养基都有其特殊的配方,并针对某些细胞类型进行了优化。

相关文献

1. *Nature Communications* (2021) Synthetic extracellular matrices with tailored adhesiveness and degradability support lumen formation during angiogenic sprouting.
<https://doi.org/10.1038/s41467-021-23644-5>
2. *Nature Chemical Biology* (2021) Sulfated glycans engage the Ang-Tie pathway to regulate vascular development.
<https://doi.org/10.1038/s41589-020-00657-7>

更多选择

不同的细胞类型及培养基需求, Lonza还可以提供用于HUVECs培养, 不含外源性VEGF的EGM(Cat#CC-3124)和EGM-Plus(-Cat#CC-5035)培养基, 以及用于微血管内皮细胞培养的EGM-2 MV(Cat#CC-3202)。



产品系列2:

成纤维细胞培养基 – FGM™-2

Lonza明星产品:货号CC-3132

应用

FGM-2旨在支持大多数原代人类成纤维细胞的生长, 包括肺和真皮成纤维细胞。该试剂盒包含包装在一起的基础培养基和补充剂, 以方便培养成纤维细胞。FGM-2培养基含有2%血清。

相关文献

1. *Nature Communications* (2022) A microphysiological model of human trophoblast invasion during implantation.
<https://doi.org/10.1038/s41467-022-28663-4>
2. *Science Advances* (2021) Maintenance of genome sequence integrity in long- and short-lived rodent species.
<https://doi.org/10.1126/sciadv.abj3284>

更多选择

对于原代心脏成纤维细胞的培养, Lonza可以提供更高血清浓度的培养基FGM-3(Cat#CC-4526)。FGM-3是专为培养原代心脏成纤维细胞而开发, 含有10%血清。

产品系列3:

肝脏细胞培养基 - HCM™

Lonza明星产品:货号CC-3198

应用

肝脏细胞大量用于体外药代动力学试验, 稳定可重现的结果为药物代谢和毒性的研究提供可靠的依据。HCM无血清培养基可以为来自所有物种的原代肝细胞配制高度可重复的维持培养基。

相关文献

1. *Nature Biotechnology* (2022) Engineered circular ADAR-recruiting RNAs increase the efficiency and fidelity of RNA editing in vitro and in vivo.
<https://doi.org/10.1038/s41587-021-01180-3>
2. *Nature Protocols* (2021) Microfluidic integration of regeneratable electrochemical affinity-based biosensors for continual monitoring of organ-on-a-chip devices.
<https://doi.org/10.1038/s41596-021-00511-7>

冷冻人类原代细胞

细胞缩写	描述	细胞货号	推荐培养基	BulletKit™货号	基础培养基货号	SingleQuot™货号
脂肪细胞—正常和病变						
ADSC	Adipose-derived stem cells	PT-5006	ADSC™ BulletKit™	PT-4505	PT-3273	PT-4503
Pr-Ad-S	Preadipocytes - subcutaneous	PT-5001, PT-5020	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
Pr-Ad-V	Preadipocytes - visceral	PT-5005	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-ADSC-Diab T1	(Diabetic Type 1) Adipose-derived stem cells	PT-5007	ADSC™ BulletKit™	PT-4505	PT-3273	PT-4503
D-ADSC-Diab T2	(Diabetic Type 2) Adipose-derived stem cells	PT-5008	ADSC™ BulletKit™	PT-4505	PT-3273	PT-4503
D-PrAd-S-Diab T1	(Diabetic Type 1) Subcutaneous preadipocyte cells	PT-5021	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-PrAd-S-Diab T2	(Diabetic Type 2) Subcutaneous preadipocyte cells	PT-5022	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-PrAd-V-Diab T1	(Diabetic Type 1) Visceral preadipocyte cells	PT-5023	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-PrAd-V-Diab T2	(Diabetic Type 2) Visceral preadipocyte cells	PT-5024	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
气道细胞—正常和病变						
SAEC	Small airway epithelial cells	CC-2547	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
SAEC-ALI	Small airway epithelial cells guaranteed for ALI differentiation	CC-2547S	S-ALI™ BulletKit™	CC-4539		
NHBE with RA	Bronchial/Tracheal epithelial cells with retinoic acid	CC-2540	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
NHBE without RA	Bronchial/Tracheal epithelial cells without retinoic acid	CC-2541	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
NHBE-ALI	Bronchial/tracheal epithelial cells guaranteed for ALI differentiation	CC-2540S	B-ALI™ BulletKit™	193514	N/A	N/A
NHLF	Lung fibroblasts	CC-2512	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
HMVEC-L	Lung microvascular endothelial cells	CC-2527	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HPAEC	Pulmonary artery endothelial cells	CC-2530	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
BSMC	Bronchial smooth muscle cells	CC-2576	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
PASMC	Pulmonary artery smooth muscle cells	CC-2581	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
DHBE-As	(Asthma) Bronchial epithelial cells	194911	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
DHBE-As-ALI	(Asthma) Bronchial epithelial cells guaranteed for ALI differentiation	194911S	B-ALI™ BulletKit™	193514		
DBSMC-As	(Asthma) Bronchial smooth muscle cells	194850	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
DHLF-As	(Asthma) Lung fibroblasts	194912	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
D-SAEC-As	(Asthma) Small airway epithelial cells	CC-2932	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
DHBE-COPD	(COPD) Bronchial epithelial cells	195275	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
DHLF-COPD	(COPD) Lung fibroblasts	195277	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
D-SAEC-COPD	(COPD) Small airway epithelial cells	CC-2934	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
DHBE-CF	(Cystic Fibrosis) Bronchial/Tracheal epithelial cells	196979	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
DBSMC - CF	(Cystic Fibrosis) Bronchial smooth muscle cells	196980	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
DHLF-CF	(Cystic Fibrosis) Lung fibroblasts	194843	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
D-SAEC-CF	(Cystic Fibrosis) Small airway epithelial cells	CC-2933	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124

细胞缩写	描述	细胞货号	推荐培养基	BulletKit™货号	基础培养基货号	SingleQuot™货号
D-HPAEC-Diab T1	(Diabetic Type 1) Pulmonary artery endothelial cells	CC-2923	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
D-PASMC-Diab T1	(Diabetic Type 1) Pulmonary artery smooth muscle cells	CC-2915	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-HPAEC-Diab T2	(Diabetic Type 2) Pulmonary artery endothelial cells	CC-2924	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
D-PASMC-Diab T2	(Diabetic Type 2) Pulmonary artery smooth muscle cells	CC-2913	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
DHLF-IPL	(Idiopathic Lung Fibrosis) Lung fibroblasts	CC-7231	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126

心肌细胞—正常和病变

HAEC	Aortic endothelial cells	CC-2535	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
AoSMC	Aortic smooth muscle cells	CC-2571	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
HCAEC	Coronary artery endothelial cells	CC-2585	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
CASMC	Coronary artery smooth muscle cells	CC-2583	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
HMVEC-C	Cardiac microvascular endothelial cells	CC-7030	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
AoAF	Aortic adventitial fibroblasts	CC-7014	SCGM™ BulletKit™	CC-3205	CC-3204	CC-4181
NHCF-A	Atrial cardiac fibroblasts	CC-2903	FGM™ 3 BulletKit™	CC-4526	CC-3131	CC-4525
NHCF-V	Ventricle cardiac fibroblasts	CC-2904	FGM™ 3 BulletKit™	CC-4526	CC-3131	CC-4525
HPAEC	Pulmonary artery endothelial cells	CC-2530	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
PASMC	Pulmonary artery smooth muscle cells	CC-2581	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-AoSMC-Diab T1	(Diabetic Type 1) Aortic smooth muscle cells	CC-2914	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-3181
D-HAEC-Diab T1	(Diabetic Type 1) Aortic endothelial cells	CC-2919	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-3156
D-HPAEC-Diab T1	(Diabetic Type 1) Pulmonary artery endothelial cells	CC-2923	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-3156
D-PASMC-Diab T1	(Diabetic Type 1) Pulmonary artery smooth muscle cells	CC-2915	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-3181
D-HCAEC-Diab T1	(Diabetic Type 1) Coronary artery endothelial cells	CC-2921	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-3156
D-CASMC-Diab T1	(Diabetic Type 1) Coronary artery smooth muscle cells	CC-2917	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-3181
D-HMVEC-C-Diab T1	(Diabetic Type 1) Cardiac microvascular endothelial cells	CC-2927	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-3156
D-HPAEC-Diab T2	(Diabetic Type 2) Pulmonary artery endothelial cells	CC-2924	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-3156
D-PASMC-Diab T2	(Diabetic Type 2) Pulmonary artery smooth muscle cells	CC-2913	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-3181
D-AoSMC-Diab T2	(Diabetic Type 2) Aortic smooth muscle cells	CC-2916	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-3181
D-HAEC-Diab T2	(Diabetic Type 2) Aortic endothelial cells	CC-2920	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-3156
D-HCAEC-Diab T2	(Diabetic Type 2) Coronary artery endothelial cells	CC-2922	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-3156
D-CASMC-Diab T2	(Diabetic Type 2) Coronary artery smooth muscle cells	CC-2918	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-3181
D-HMVEC-C-Diab T2	(Diabetic Type 2) Cardiac microvascular endothelial cells	CC-2928	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-3156

真皮细胞—正常和病变

HMVEC-dAd	Adult dermal microvascular endothelial cells (blood and lymphatic mix)	CC-2543	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HMVEC-dNeo	Neonatal dermal microvascular endothelial cells (blood and lymphatic mix)	CC-2505	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
NHDF-Ad	Adult dermal fibroblasts	CC-2511	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
NHDF-Neo	Neonatal dermal fibroblasts	CC-2509	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126

细胞缩写	描述	细胞货号	推荐培养基	BulletKit™货号	基础培养基货号	SingleQuot™货号
NHEK-Ad	Epidermal keratinocytes, Adult	192627	KGM™ Gold BulletKit™	192060	192151	192152
NHEK-Neo	Epidermal keratinocytes, Neonatal	192907	KGM™ Gold BulletKit™	192060	192151	192152
NHEK-Neo Pooled	Epidermal keratinocytes, Neonatal pooled	192906	KGM™ Gold BulletKit™	192060	192151	192152
NHEM-Neo	Neonatal epidermal melanocytes	CC-2504	MGM™ 4 BulletKit™	CC-3249	CC-3250	CC-4435
NHEM-Ad	Adult epidermal melanocytes	CC-2586	MGM™ 4 BulletKit™ + ET3 Supplement	CC-3249	CC-3250	CC-4435, CC-4510
D-HEK-Diabetes T2	(Diabetic Type 2) Adult epidermal keratinocytes	CC-2926	KGM™ Gold BulletKit™	192060	192151	192152
D-HMVEC-D-Diab T1	(Diabetic Type 1) Dermal microvascular endothelial cells	CC-2929	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HMVEC-D-Diab T2	(Diabetic Type 2) Dermal microvascular endothelial cells	CC-2930	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
糖尿病 (I型和II型)						
D-ADSC-Diab T1	(Diabetic Type 1) Adipose-derived stem cells	PT-5007	ADSC™ BulletKit™	PT-4505	PT-3273	PT-4503
D-AoSMC-Diab T1	(Diabetic Type 1) Aortic smooth muscle cells	CC-2914	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-HAEC-Diab T1	(Diabetic Type 1) Aortic endothelial cells	CC-2919	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
D-HCAEC-Diab T1	(Diabetic Type 1) Coronary artery endothelial cells	CC-2921	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HMVEC-C-Diab T1	(Diabetic Type 1) Cardiac microvascular endothelial cells	CC-2927	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HMVEC-D-Diab T1	(Diabetic Type 1) Dermal microvascular endothelial cells	CC-2929	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HSMM-Diab T1	(Diabetic Type 1) Muscle myoblasts	CC-2900	SkGM™ 2 BulletKit™	CC-3245	CC-3246	CC-3244
D-HPAEC-Diab T1	(Diabetic Type 1) Pulmonary artery endothelial cells	CC-2923	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
D-PASMC-Diab T1	(Diabetic Type 1) Pulmonary artery smooth muscle cells	CC-2915	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-PrAd-S-Diab T1	(Diabetic Type 1) Subcutaneous preadipocyte cells	PT-5021	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-PrAd-V-Diab T1	(Diabetic Type 1) Visceral preadipocyte cells	PT-5023	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-CASMC-Diab T1	(Diabetic Type 1) Coronary artery smooth muscle cells	CC-2917	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-ADSC-Diab T2	(Diabetic Type 2) Adipose-derived stem cells	PT-5008	ADSC™ BulletKit™	PT-4505	PT-3273	PT-4503
D-AoSMC-Diab T2	(Diabetic Type 2) Aortic smooth muscle cells	CC-2916	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-HAEC-Diab T2	(Diabetic Type 2) Aortic endothelial cells	CC-2920	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
D-CASMC-Diab T2	(Diabetic Type 2) Coronary artery smooth muscle cells	CC-2918	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-HCAEC-Diab T2	(Diabetic Type 2) Coronary artery endothelial cells	CC-2922	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HMVEC-C-Diab T2	(Diabetic Type 2) Cardiac microvascular endothelial cells	CC-2928	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HMVEC-D-Diab T2	(Diabetic Type 2) Dermal microvascular endothelial cells	CC-2930	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
D-HPAEC-Diab T2	(Diabetic Type 2) Pulmonary artery endothelial cells	CC-2924	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
D-PASMC-Diab T2	(Diabetic Type 2) Pulmonary artery smooth muscle cells	CC-2913	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-HSMM-Diab T2	(Diabetic Type 2) Muscle myoblasts	CC-2901	SkGM™ 2 BulletKit™	CC-3245	CC-3246	CC-3244
D-HEK-Diab T2	(Diabetic Type 2) Adult epidermal keratinocytes	CC-2926	KGM™ Gold BulletKit™	192060	192151	192152
D-RPTEC-Diab T2	(Diabetic Type 2) Renal proximal tube epithelial cells	CC-2925	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
D-PrAd-S-Diab T2	(Diabetic Type 2) Subcutaneous preadipocyte cells	PT-5022	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
D-PrAd-V-Diab T2	(Diabetic Type 2) Visceral preadipocyte cells	PT-5024	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502

细胞缩写	描述	细胞货号	推荐培养基	BulletKit™货号	基础培养基货号	SingleQuot™货号
内皮细胞—正常						
HAEC	Aortic endothelial cells	CC-2535	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
HCAEC	Coronary artery endothelial cells	CC-2585	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HIAEC	Iliac artery endothelial cells	CC-2545	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HPAEC	Pulmonary artery endothelial cells	CC-2530	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
HUVEC*	Umbilical vein endothelial cells	See table below	N/A	N/A	N/A	N/A
HUVEC-XL*	Umbilical vein endothelial cells	191027	EGM™ 2 BulletKit™	CC-3162	CC-3156	CC-4176
		See table below				
HMVEC-C	Cardiac microvascular endothelial cells	CC-7030	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HMVEC-L	Lung microvascular endothelial cells (blood and lymphatic mix)	CC-2527	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HMVEC-dAd	Adult dermal microvascular endothelial cells (blood and lymphatic mix)	CC-2543	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HMVEC-dNeo	Neonatal dermal microvascular endothelial cells (blood and lymphatic mix)	CC-2505	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147
HMVEC-Bd	Bladder microvascular endothelial cells	CC-7016	EGM™ 2MV BulletKit™	CC-3202	CC-3156	CC-4147

病变内皮细胞请参照糖尿病 (I型和II型) 部分

*HUVEC细胞类型	特点	货号
Isolated in EGM™ Media	Isolated in absence of defined growth factors. Contains BBE. No exogenous VEGF	CC-2517 (single donor), CC-2519 (pooled donor)
Isolated in EGM™-Plus Media	Improved version of part number CC-2517. Offers faster proliferation rates than HUVEC isolated in EGM™ Growth Media. No exogenous VEGF	CC-2935 (single donor)
Isolated in EGM™ 2 Media	Isolated in presence of growth factors such as VEGF, rhFGF, rhEGF, and others. Does not contain BBE	C2517A (single donor), C2519A (pooled donor) 00191027 (XL size)
Pre-screened HUVECs in EGM™ 2 Media	Screened for angiogenesis markers and test positive for expression of eNOS, Axl, Tie-2 and VEGFr2	C2517AS (single donor), C2519AS (pooled donor)

病变内皮细胞请参照糖尿病 (I型和II型) 部分

上皮细胞—正常和病变						
InEpC	Intestinal epithelial cells	CC-2931	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
HMEC	Mammary epithelial cells	CC-2551	MEGM™ BulletKit™	CC-3150	CC-3151	CC-4136
RPE	Retinal pigment epithelial cells	194987	Rt-EGM™ BulletKit™	195409	195406	195407
PrEC	Prostate epithelial cells	CC-2555	PrEGM™ BulletKit™	CC-3166	CC-3165	CC-4177
SAEC	Small airway epithelial cells	CC-2547	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
SAEC-ALI	Small airway epithelial cells guaranteed for ALI differentiation	CC-2547S	S-ALI™ BulletKit™	CC-4539	N/A	N/A
NHBE with RA	Bronchial epithelial cells with retinoic acid	CC-2540	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
NHBE without RA	Bronchial epithelial cells without retinoic acid	CC-2541	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
NHBE-ALI	Bronchial epithelial cells guaranteed for ALI differentiation	CC-2540S	B-ALI™ BulletKit™	193514	N/A	N/A
HRCE	Cortical epithelial cells	CC-2554	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
HRE	Renal epithelial cells	CC-2556	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
DHBE-As	(Asthma) Bronchial epithelial cells	194911	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
DHBE-As-ALI	(Asthma) Bronchial epithelial cells guaranteed for ALI differentiation	194911S	B-ALI™ BulletKit™	193514	N/A	N/A

细胞缩写	描述	细胞货号	推荐培养基	BulletKit™货号	基础培养基货号	SingleQuot™货号
D-SAEC-As	(Asthma) Small airway epithelial cells	CC-2932	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
DHBE-COPD	(COPD) Bronchial epithelial cells	195275	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
DHBE-COPD-ALI	(COPD) Bronchial epithelial cells guaranteed for ALI differentiation	195275S	B-ALI™ BulletKit™	193514	N/A	N/A
D-SAEC-COPD	(COPD) Small airway epithelial cells	CC-2934	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
DHBE-CF	(Cystic Fibrosis) Bronchial epithelial cells	196979	BEGM™ BulletKit™	CC-3170	CC-3171	CC-4175
D-SAEC-CF	(Cystic Fibrosis) Small airway epithelial cells	CC-2933	SAGM™ BulletKit™	CC-3118	CC-3119	CC-4124
D-RPTEC-Diab T2	(Diabetic Type 2) Renal proximal tube epithelial cells	CC-2925	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127

成纤维细胞—正常和病变

AoAF	Aortic adventitial fibroblasts	CC-7014	SCGM™ BulletKit™	CC-3205	CC-3204	CC-4181
NHCF-A	Atrial cardiac fibroblasts	CC-2903	FGM™ 3 BulletKit™	CC-4526	CC-3131	CC-4525
NHCF-V	Ventricle cardiac fibroblasts	CC-2904	FGM™ 3 BulletKit™	CC-4526	CC-3131	CC-4525
NHDF-Ad	Adult dermal fibroblasts	CC-2511	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
NHDF-Neo	Neonatal dermal fibroblasts	CC-2509	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
NHLF	Lung fibroblasts	CC-2512	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
HPdLF	Peridontal ligament fibroblasts	CC-7049	SCGM™ BulletKit™	CC-3205	CC-3204	CC-4181
DHLF-As	(Asthma) Lung fibroblasts	194912	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
DHLF-COPD	(COPD) Lung fibroblasts	195277	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
DHLF-CF	(Cystic Fibrosis) Lung fibroblasts	194843	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126
DHLF-IPL	(Idiopathic Lung Fibrosis) Lung fibroblasts	CC-7231	FGM™ 2 BulletKit™	CC-3132	CC-3131	CC-4126

神经细胞—正常

NHA	Astrocytes	CC-2565	AGM™ BulletKit™	CC-3186	CC-3187	CC-4123
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胰岛细胞

Available through CellBio Service

前体细胞

OCP	Osteoclast precursors	2T-110	OCP™ BulletKit™	PT-8001	PT-8201	PT-9501
CD34+	Bone marrow CD34+ progenitor cells (cryopreserved)	2M-101	HPGM™ BulletKit™	PT-3926	N/A	N/A
CD34+	Human cord blood CD34+ progenitor cells (cryopreserved)	2C-101	HPGM™ BulletKit™	PT-3926	N/A	N/A
Pr-Ad-S	Preadipocytes - subcutaneous	PT-5001, PT-5020	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502
Pr-Ad-V	Preadipocytes - visceral	PT-5005	PGM™ 2 BulletKit™	PT-8002, PT-8200 (Insulin free)	PT-8202	PT-9502

前列腺细胞—正常

PrEC	Prostate epithelial	CC-2555	PrEGM™ BulletKit™	CC-3166	CC-3165	CC-4177
PrSC	Prostate stromal	CC-2508	SCGM™ BulletKit™	CC-3205	CC-3204	CC-4181
PrSMC	Prostate smooth muscle	CC-2587	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149

细胞缩写	描述	细胞货号	推荐培养基	BulletKit™货号	基础培养基货号	SingleQuot™货号
肾细胞—正常和病变						
HRCE	Cortical epithelial cells	CC-2554	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
HRE	Renal epithelial cells	CC-2556	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
RPTEC	Renal proximal tube epithelial cells	CC-2553	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
D-RPTEC-Diab T2	(Diabetic Type 2) Renal proximal tube epithelial cells	CC-2925	REGM™ BulletKit™	CC-3190	CC-3191	CC-4127
骨骼和骨骼肌细胞—正常和病变						
NHOst	Osteoblasts	CC-2538	OGM™ BulletKit™	CC-3207	CC-3208	CC-4193, CC-4194
NHAC-kn	Articular chondrocytes, knee	CC-2550	CDM™ BulletKit™, CGM™ BulletKit™	CC-3225, CC-3216	CC-3226, CC-3217	CC-4408, CC-4409
HPdLF	Peridontal ligament fibroblasts	CC-7049	SCGM™ BulletKit™	CC-3205	CC-3204	CC-4181
HSMM	Skeletal muscle myoblasts	CC-2580	SkGM™ 2 BulletKit™	CC-3245	CC-3246	CC-3244
SkMC	Skeletal muscle cells	CC-2561	SkGM™ BulletKit™	CC-3160	CC-3161	CC-4139
D-HSMM-Diab T1	(Diabetic Type 1) Muscle myoblasts	CC-2900	SkGM™ 2 BulletKit™	CC-3245	CC-3246	CC-3244
D-HSMM-Diab T2	(Diabetic Type 2) Muscle myoblasts	CC-2901	SkGM™ 2 BulletKit™	CC-3245	CC-3246	CC-3244
OCP	Osteoclast precursors	2T-110	OCP™ BulletKit™	PT-8001	PT-8201	PT-9501
平滑肌细胞—正常和病变						
AoSMC	Aortic smooth muscle cells	CC-2571	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
CASMC	Coronary artery smooth muscle cells	CC-2583	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
PrSMC	Prostate smooth muscle cells	CC-2587	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
BSMC	Bronchial smooth muscle cells	CC-2576	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
PASMC	Pulmonary artery smooth muscle cells	CC-2581	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
UASMC	Umbilical artery smooth muscle cells	CC-2579	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
BdSMC	Bladder smooth muscle cells	CC-2533	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
DBSMC-As	(Asthma) Bronchial smooth muscle cells	194850	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
DBSMC-CF	(Cystic Fibrosis) Bronchial smooth muscle cells	196980	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-PASMC-Diab T1	(Diabetic Type 1) Pulmonary artery smooth muscle cells	CC-2915	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-AoSMC-Diab T1	(Diabetic Type 1) Aortic smooth muscle cells	CC-2914	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-CASMC-Diab T1	(Diabetic Type 1) Coronary artery smooth muscle cells	CC-2917	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-PASMC-Diab T2	(Diabetic Type 2) Pulmonary artery smooth muscle cells	CC-2913	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-AoSMC-Diab T2	(Diabetic Type 2) Aortic smooth muscle cells	CC-2916	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
D-CASMC-Diab T2	(Diabetic Type 2) Coronary artery smooth muscle cells	CC-2918	SmGM™ 2 BulletKit™	CC-3182	CC-3181	CC-4149
干细胞—正常						
ADSC	Adipose-derived stem cells	PT-5006	ADSC™ BulletKit™	PT-4505	PT-3273	PT-4503
DPSC	Dental pulp stem cells	PT-5025	DPSC™ BulletKit™	PT-3005	PT-3927	PT-4516
MSC	Mesenchymal stem cells	PT-2501	MSCGM™ Growth BulletKit™, MSC Osteogenic BulletKit™ MSC Chondrogenic BulletKit™, MSC Adipogenic BulletKit™	PT-3001 PT-3002 PT-3003 PT-3004	PT-3238	PT-4105

冷冻肝细胞

细胞类型	形式	细胞货号	解冻培养基	铺板培养基	维持培养基
人类肝细胞-贴壁					
Human Hepatocytes, Interaction Qualified	Cryopreserved, plateable	HUCPI	MCHT50	MP100	CC-3198
人类肝细胞-悬浮					
DonorPlex™ Human Hepatocytes, 10 donor pool	Cryopreserved, pooled suspension	HUCS10PF 或 HUCS10PM*	MCHT50	N/A	CC-3198
DonorPlex™ Human Hepatocytes, 20 donor pool	Cryopreserved, pooled suspension	HUCS20PF 或 HUCS20PM*	MCHT50	N/A	CC-3198
DonorPlex™ Human Hepatocytes 50 donor pool	Cryopreserved, pooled suspension	HUCS50P	MCHT50	N/A	CC-3198
Human Hepatocytes	Cryopreserved, single donor suspension	HUCSD	MCHT50	N/A	CC-3198
*备注: F女性供体, M男性供体					
冷冻人类肝非实质细胞					
Human Kupffer Cells	Cryopreserved	HLKC	N/A	N/A	N/A
Human Liver Non-Parenchymal Cells	Cryopreserved	HUCNP	N/A	MP100	MP100
Human Liver endothelial cells	Cryopreserved	HLECP2	N/A	N/A	EGM™ 2 BulletKit™

造血和免疫细胞

细胞类型	货号	描述	规格	推荐培养基
B细胞				
B Cells - Cryopreserved				
CD19+ B Cells (positively selected)	4W-600	Human CD19+ B cells isolated from peripheral blood using positive immunomagnetic selection, cryopreserved	≥10 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD19+ B Cells (Negatively selected)	4W-601	Human CD19+ B cells isolated from peripheral blood using negative immunomagnetic selection, cryopreserved,	≥10 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD19+/IgD+ Naive B Cells	4W-602	Human CD19+/IgD+ B cells isolated from peripheral blood using negative immunomagnetic selection, cryopreserved,	≥1 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD14+单核细胞				
Mobilized - Cryopreserved				
CD14+ Monocytes, (positively selected)	4Y-125	Human CD14+ monocytes, isolated from mobilized peripheral blood using positive immunomagnetic selection	≥25 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q, 04-448Q, BE04-448Q
CD14+ Monocytes, (positively selected)	4Y-125A	Human CD14+ monocytes, isolated from mobilized peripheral blood using positive immunomagnetic selection	≥10 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q, 04-448Q, BE04-448Q
Peripheral Blood - Cryopreserved				
CD14+ Cells (positively selected)	2W-400A	Peripheral Blood CD14+ Monocytes, positively selected	≥40 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD14+ Cells (positively selected)	2W-400B	Peripheral Blood CD14+ Monocytes, positively selected	≥20 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD14+ Cells (positively selected)	2W-400C	Peripheral Blood CD14+ Monocytes, positively selected	≥10 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD14+ Monocytes, (negatively selected)	4W-400	Human CD14+ monocytes, isolated from peripheral blood using negative immunomagnetic selection	≥10 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q, 04-448Q, BE04-448Q
CD14+ Monocytes, (negatively selected)	4W-400A	Human CD14+ monocytes, isolated from peripheral blood using negative immunomagnetic selection	≥50 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q, 04-448Q, BE04-448Q
CD34+干细胞/前体细胞				
Bone Marrow - Cryopreserved				
Bone Marrow and Cord Blood	2M-101	Bone Marrow CD34+ Progenitor Cells	≥100,000 cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow and Cord Blood	2M-101A	Bone Marrow CD34+ Progenitor Cells	≥300,000 cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow and Cord Blood	2M-101B	Bone Marrow CD34+ Progenitor Cells	≥500,000 cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow and Cord Blood	2M-101C	Bone Marrow CD34+ Progenitor Cells	≥1 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow and Cord Blood	2M-101D	Bone Marrow CD34+ Progenitor Cells	≥2 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Cord Blood - Cryopreserved				
Bone Marrow and Cord Blood	2C-101	Cord Blood CD34+ Progenitor Cells	≥1 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow and Cord Blood	2C-101A	Cord Blood CD34+ Progenitor Cells	≥500 000 cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q

细胞类型	货号	描述	规格	推荐培养基
Mobilized - Cryopreserved				
CD34+ Stem/Progenitor Cells, (positively selected)	4Y-101C	Human CD34+ cells, isolated from mobilized peripheral blood using positive immunomagnetic selection	≥1 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD34+ Stem/Progenitor Cells, (positively selected)	4Y-101D	Human CD34+ cells, isolated from mobilized peripheral blood using positive immunomagnetic selection	≥5 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD34+ Stem/Progenitor Cells, (positively selected)	4Y-101E	Human CD34+ cells, isolated from mobilized peripheral blood using positive immunomagnetic selection	≥10 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q
CD34+ Stem/Progenitor Cells, (positively selected)	4Y-101F	Human CD34+ cells, isolated from mobilized peripheral blood using positive immunomagnetic selection	≥25 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q
树突细胞				
NHDC Dendritic Cells	CC-2701	Normal Human Dendritic Cells, cryopreserved	≥2.5 million cells	04-448Q, BE04-448Q
单核细胞				
Bone Marrow - Cryopreserved				
Bone Marrow MNCs	2M-125C	Bone Marrow Mononuclear Cells	≥25 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow MNCs	2M-125E	Bone Marrow Mononuclear Cells	≥300 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Human Bone Marrow	2S-101D	Bone Marrow Mononuclear Cells	≥5 million cells	04-380Q, BE04-380Q, 04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Bone Marrow, CD34-Depleted, MNC	4M-105	Bone Marrow, CD34-Depleted mononuclear cells	≥100 million cells	04-418Q, BE02-060F, BE02-060Q, BE02-053Q
Peripheral Blood - Cryopreserved				
Human PBMCs	CC-2702	Mononuclear cells from human peripheral blood	≥50 million cells	04-448Q, BE04-448Q
自然杀伤细胞				
Peripheral Blood - Cryopreserved				
Peripheral Blood NK Cells Negative, 5M	2W-501	Peripheral Blood Natural Killer Cells, negatively selected, cryopreserved, 5M cells	≥5 million cells	04-448Q, BE04-448Q
Peripheral Blood NK Cells Positive, 5 M	2W-502	Peripheral Blood Natural Killer Cells, positively selected, cryopreserved, 5M cells	≥5 million cells	04-448Q, BE04-448Q
破骨前体细胞				
Osteoclast Precursors	2T-110	Osteoclast Precursors, cryopreserved	≥1 million cells	PT-8001
T细胞				
Peripheral Blood - Cryopreserved				
CD4+ T Cells, (negatively selected)	2W-200	Peripheral Blood CD4+ Helper T Cells, negatively selected	≥10 million cells	04-448Q, BE04-448Q
CD8+ T Cells, (negatively selected)	2W-300	Peripheral Blood CD8+ Cytotoxic T Cells, negatively selected	≥10 million cells	04-448Q, BE04-448Q
Peripheral Blood - Cryopreserved				
CD4+/CD45RA+ Naive T Cells, (negatively selected)	4W-202	Human CD4+/CD45RA+ Naive T cells, isolated from peripheral blood using negative immunomagnetic selection	≥5 million cells	04-448Q, BE04-448Q
CD4+/CD45RO+ Memory T Cells, (negatively selected)	4W-204	Human CD4+/CD45RA+ memory T cells, isolated from peripheral blood using negative immunomagnetic selection	≥5 million cells	04-448Q, BE04-448Q
CD8+/CD45RA+ Naive Cytotoxic T Cells, (negatively selected)	4W-302	Human CD8+/CD45RA+ naive cytotoxic T cells, isolated from peripheral blood using negative immunomagnetic selection	≥5 million cells	04-448Q, BE04-448Q
CD3+ Pan T Cells, (negatively selected)	4W-350	Human CD3+ T cells, isolated from peripheral blood using negative immunomagnetic selection	≥25 million cells	04-448Q, BE04-448Q
Peripheral Blood - Frozen				
Peripheral Blood	4W-820	Human serum isolated from peripheral blood	5 mL	
Peripheral Blood	3W-810F	Human plasma from peripheral blood	10 mL	
Whole Blood - Frozen				
Whole, Frozen, Plasma	3W-811	Human plasma from whole blood, frozen, 5 mL	5 mL	

细胞培养与转染方法数据库

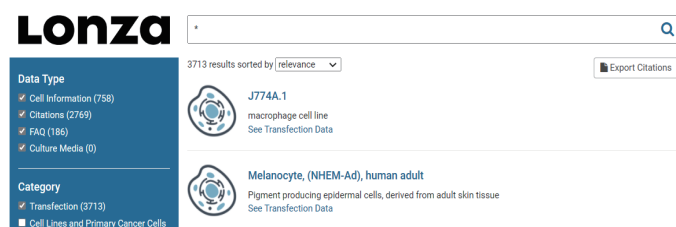
Lonza网站Knowledge center

全球开放并长期更新的数据库,旨在帮助用户更好地使用Lonza Nucleofector™电转染技术。

<https://bioscience.lonza.com/knowledge-center>

数据库中包含**超600种细胞类型的转染信息及相关文献**,并为**上百种常用细胞类型提供详细的实验方案**。

我们强烈建议用户经常访问该数据库,它不仅仅包含了细胞相关的转染信息,还包含全球客户常见的问题及解答,以及不定期更新热门应用新发表的出版物等供您参考。



中国微信Lonza应用空间

为更好地服务中国用户,满足中国用户访问及使用的便利性,我们还在Lonza Bioscience的官方微信公众号上线了独特的应用空间,不定期的发布全球前沿应用经验/资讯。

这是一个集合了产品资料、应用教学以及最新资讯,助您快速了解Lonza Bioscience产品、应用和活动的一站式微信服务平台。其中包含大量的细胞培养及电转染的优化指南及白皮书资料。



Lonza Bioscience 微信公众号应用空间



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