

# 干细胞研究常用试剂集锦

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# 1 诱导多能干细胞 iPS 研究常用试剂

## 诱导

STEMCCA Lentivirus Reprogramming 试剂盒，采用单病毒载体同时导入 4 个转录因子 (Oct4, Klf4, Sox-2, c-Myc)，经验证能高效诱导小鼠或人 fibroblast，分为组成型表达的载体以及由 Cre/LoxP 调节的可切除 4 因子的得载体，每个试剂盒包含慢病毒载体和 Polybrene 转染试剂。









描述	目录编号
 STEMCCA constitutive Polycistronic (OKSM) Lentivirus Reprogramming kit, 用于诱导小鼠细胞 (15μL Lentivirus 和 Polybrene)	SCR510
 STEMCCA constitutive Polycistronic (OKSM) Lentivirus Reprogramming kit, 用于诱导人和小鼠细胞 (3 × 15μL Lentivirus 和 Polybrene)	SCR530
 STEMCCA Cre-Excisable constitutive Polycistronic (OKSM) Lentivirus Reprogramming kit, 用于诱导人和小鼠细胞 (15μL Lentivirus 和 Polybrene)	SCR511
 STEMCCA Cre-Excisable constitutive (OKSM) Lentivirus Reprogramming kit, 用于诱导人和小鼠细胞 (3X × 15μL Lentivirus 和 Polybrene)	SCR531
 Mouse STEMCCA Dox-Inducible Polycistronic (OKSM) Lentivirus Reprogramming Kit	SCR512
 Mouse STEMCCA Cre-Excisable Dox-Inducible Polycistronic (OKSM) Lentivirus Reprogramming Kit	SCR513
 Mouse STEMCCA Cre-Excisable Constitutive Polycistronic (OKS) Lentivirus Reprogramming Kit	SCR518
 Human iPS Cell Boost Supplement	SCM088
 Human iPS Reprogramming Boost Supplement II	SCM094
 Mouse iPS Reprogramming Boost Supplement	SCM087
 Human STEMCCA Constitutive Polycistronic (OKSM) Lentivirus Reprogramming Kit	SCR544
 Human STEMCCA Cre-Excisable Constitutive Polycistronic (OKSM) Lentivirus Reprogramming Kit	SCR545
 Human STEMCCA Cre-Excisable Constitutive Polycistronic (OKS/L-Myc) Lentivirus Reprogramming Kit	SCR548
 Human Epidermal Keratinocytes, Neonatal, Passage 1, 1 管, 5X10 <sup>5</sup> cell	SCCE020
 FibroGRO Xeno-Free Human Foreskin Fibroblasts, 无动物源性, passage 3 - 5, 1 × 10 <sup>6</sup> cells 经过重组诱导验证!	SCC058
 EmbryoMax® Primary Mouse Embryo Fibroblasts, Neo Resistant, Not Mytomicin C treated, Strain FVB, passage 1, 1 管, 1X10 <sup>6</sup> cell	PMEF-NL-P1
 EmbryoMax® Primary Mouse Embryo Fibroblasts, Not Mytomicin C Treated, Strain CF1, passage 1, 1 管, 1X10 <sup>6</sup> cell	PMEF-CFL-P1
Fast-Trap Lentivirus purification and concentration kit	FTLV00003
Fast-Trap Adenovirus purification and concentration kit	FTAV00003

## 培养基

描述	规格	目录编号
FibroGRO™ LS Complete Medium for FibroGRO Human Foreskin Fibroblasts culture	500 mL	SCMF002
 Recombinant Human basic FGF	50 μg	GF003
 PluriSTEM™ Human 无血清、无饲养层细胞 ES/iPS 培养基	500 ml	SCM130
 ESGRO® mLIF Medium Supplement	10 <sup>6</sup> units	ESG1106
 ESGRO® mLIF Medium Supplement	10 <sup>7</sup> units	ESG1107
 ESGRO Complete PLUS Clonal Grade Medium, for mouse iPS and mouse ES cell maintenance culture	500 mL	Sf001-500P
EmbryoMax® Complete ES Cell Media w/ 15% FBS and mLIF	500 mL	ES-101-B
ESGRO-2i Medium, for mouse ES/iPS cell derivation, passaging and maintenance, on feeder dependent or independent culture.	200mL	SF016-200

## 鉴定

Human iPS selection Kit 用于鉴定和筛选人 iPS 克隆，经鉴定后的细胞可继续培养和传代。

描述	规格	目录编号
 Human iPS Cell Selection Kit		SCR502
 Alkaline Phosphatase Detection Kit	100 tests	SCR004
 Anti- Oct-4 (clone 10H11.2), Human,	100 μg	MAB4401
 Anti- Oct-4 (clone 7F9.2), Mouse	100 μg	MAB4419
 Anti-SSEA-1 (clone MC-480), Human, Mouse & Rat	100 μg	MAB4301
 Anti-SSEA-4 (clone MC-813-70), Human & Mouse	100 μg	MAB4304
 Anti-TRA-1-81, Human	100 μg	MAB4381
 Anti-SOX-2, Human & Mouse	100 μg	AB5603



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# 2 人胚胎干细胞研究常用试剂

## 人胚胎干细胞系


MEL-1 和 MEL-2 人胚胎干细胞系经过 Australian National Health and Medial Research Council 批准作为干细胞来源，提供代数在 passage 10-12，包含 12-14 个克隆，随供 PMEF 细胞。PMEF 细胞代数在 passage 3，一个包装提供 5 管， $5-6 \times 10^6$ /管的细胞量。无动物源性的人 fibroblast 细胞代数在 passage 3-5，一个包装提供 1 管， $1 \times 10^6$ /管的细胞量。

描述	目录编号
 MEL-1 human embryonic stem cell line, XY Karyotype	SCC020
 MEL-2 human embryonic stem cell line, XX karyotype	SCC021
 PMEF, strain CF1, not mytomycin-C treated	PMEF-CFL
 PMEF, strain CF1, mytomycin-C treated	PMEF-CF
 PMEF, strain FVB, neo resistant, not mytomycin-C treated	PMEF-NL
 PMEF, strain FVB, neo resistant, mytomycin-C treated	PMEF-N
 PMEF, strain C57BL/6, hygro resistant, not mytomycin-C treated	PMEF-HL
 PMEF, strain C57BL/6, hygro resistant, mytomycin-C treated	PMEF-H
 FibroGRO Xeno-Free Human Foreskin Fibroblasts	SCC058


## 细胞培养液




HEScGRO medium 人胚胎干细胞培养液，成份明确，无血清无动物源性配方，配合饲养层细胞即可维持细胞生长的良好状态及多分化潜能。HEScGRO basal medium 人胚胎干细胞基础培养液不含生长因子的无血清配方，适于诱导细胞分化或自行添加生长因子。human ES cell embryoid body formation medium 适于拟胚体形成。

PluriSTEM 无血清、无饲养层细胞干细胞培养基支持培养人的 ES/iPS 细胞 30 代以上，无需占用周末更换饲养层细胞，无需每天换液培养，更好的支持单细胞培养，细胞传代和人多能干细胞克隆筛选。

描述	规格	目录编号
Human Embryonic Stem (ES) Cell Embryoid Body Formation Medium	5 × 100 mL	SCM026
 PluriSTEM™ Human ES/iPS Medium	500 ml	SCM130

## 生长因子或添加剂（无特殊说明，以下产品全部源于人）

描述	规格	目录编号
LIF	10 µg	LIF1010
Recombinant human	50 µg	LIF1050
 FGF	50 µg	GF003
 FGF, animal free	50 µg	GF003-AF
BAFF	20 µg	GF136
 EGF	500 µg	GF144
Insulin	10 mg	O1-207
ILGF-I	100 µg	GF138
IL-3	10 µg	IL003

描述	规格	目录编号
PDGF-AA	10 µg	GF142
PDGF-BB	10 µg	GF149
Stem Cell Facto	10 µg	GF021
TGF-1	5 µg	GF111
TGF-2	5 µg	GF113
VEGF	10 µg	GF094
 Wnt-3a ( Mouse)	5 µg	GF160
Wnt-5a ( Mouse)	100 µL	GF146
Collagen Type I	100 µL	CC050
Collagen Type IV	100 µL	CC076
 Vitronectin	100 µL	CC080
Laminin	100 µL	AG56P
 Fibronectin	1mg	FC010
ECL Cell Attachment Matrix (EHS Mouse Tumor)	5 mg	08-110

## 人胚胎干细胞分化试剂与试剂盒

描述	规格	目录编号
Human ES cell Embryoid body formation medium	5 × 100 mL	SCM026

## 常用人胚胎干细胞鉴定试剂盒和抗体

描述	规格	目录编号
 Human ESC Germ Layer PCR Kit		SCR063
Human Embryonic Germ Layer Characterization Kit		SCR030
ES Cell Characterization Kit, 包含 Alkaline Phosphatase 活性检测和抗体 : SSEA-1, SSEA-4, TRA-1-60, TRA-1-81	100 reactions	SCR001
 Alkaline Phosphatase Detection Kit	100 tests	SCR004
Quantitative Alkaline Phosphatase Detection Kit		SCR066
ES Cell Marker Sample Kit, 包括抗体 SSEA-1, SSEA-3, SSEA-4, TRA-1-60, TRA-1-81, Oct-4.		SCR002
FlowCelect Human Emryonic Stem Cell TRA-1-60 surface marker Characterization Kit, 用于人胚胎干细胞的表面标志物 TRA-1-60、SSEA4 和阴性对照 SSEA1 的流式细胞分析	25 tests	FCHE525106
FlowCelect Human Emryonic Stem Cell HESCA-1 surface marker Characterization Kit, 用于人胚胎干细胞的表面标志物 HESCA-1、SSEA4 和阴性对照 SSEA1 的流式细胞分析	25 tests	FCHE525104
FlowCelect Human Emryonic Stem Cell Characterization Kit, 用于人胚胎干细胞的标志物 hOct-4、SSEA4 和阴性对照 SSEA1 的流式细胞分析流式细胞分析	25 tests	FCHE525102
 TRAPeZe Telomerase detection kit	112 assays	S7700
TRAPeZe RT Telomerase detection kit, 224 TRAPEZETM RT reactions		S7710
TRAPeZe ELISA Telomerase detection kit, strip well plate	96 assays	S7750

## 常用人胚胎干细胞鉴定试剂盒和抗体

描述	规格	目录编号
Anti-ssea-1, human, mouse, rat, clone mc-480	100 µg	MAB4301
Anti-ssea-3, human, mouse, clone mc-631	100 µg	MAB4303
全球畅销 欢迎订购 Anti-ssea-4, human, mouse, clone mc-813-70	100 µg	MAB4304
全球畅销 欢迎订购 Anti- tra-1-60, human	100 µg	MAB4360
全球畅销 欢迎订购 Anti- tra-1-81, human	100 µg	MAB4381
全球畅销 欢迎订购 Anti- oct-4, human, clone 10h11.2	100 µg	MAB4401
Anti- gctm-5, human, clone gctm-5	100 µg	MAB4365
Anti- hesca-2, human, clone 060818-7a6	100 µg	MAB4406
Anti- shscp-5, human, clone 8h9.3	100 µg	MAB4408
Anti- hplures-1, human, clone 1h3	100 µg	MAB4395
Anti- tg343, human, clone tg343	100 µg	MAB4346
Anti-sox-2, human, mouse	100 µg	MAB4343
Anti-tg30, human, clone tg30	100 µg	MAB4427
Anti-nanog, human, mouse	100 µl	Ab9220
Anti-hesca-1, human, clone 051007-4a5	100 µg	MAB4407
全球畅销 欢迎订购 Anti-nestin, human, clone 10c2	100 µg	MAB5326
Anti-cd105, human, clone p3d1	100 µg	MAB2152
Anti-cd34 class i, human, clone b1-3c5	100 µg	MAB4211
Anti-cd54, human, clone p2a4	100 µg	MAB2146
Anti-collagen type1, human, clone c11	100 µg	MAB1340
Anti-ngf receptor (cd271), human, mouse, rat, clone mlr2	100 µg	MAB5592
Anti-integrin beta1, human, mouse, clone hm beta 1.1	100 µg	CBL1348

## 人胚胎干细胞示踪试剂盒和抗体

描述	规格	目录编号
Anti-Bromodeoxyuridine (BrdU)	100 µL	MAB3510
anti-human Golgi Zone	100 µL	MAB1271
anti-Green Fluorescent Protein (GFP, eGFP) (most common vertebrate species tested)	100 µL	MAB3580
anti-human, rat Ki-67	100 µL	Ab9260
anti-human Ki-67, clone Ki-S5	100 µg	MAB4190
anti-human Mitochondria	100 µL	MAB1273
全球畅销 欢迎订购 anti-human Nuclei, clone235-1	100 µL	MAB1281
anti-human, rat Nuclear Riboprotein (RNP), clone58-15	100 µL	MAB1287



# 3 鼠胚胎干细胞研究常用试剂

## 鼠胚胎干细胞系

一般代数在 passage 9-11, 提供 2 管,  $2.5 \times 10^6$  管的细胞量。  
PMEF 细胞代数在 passage 3, 一个包装提供 5 管,  $5-6 \times 10^6$  管的细胞量。

描述	目录编号
B6-White (C57BL/6 tyrc- 2J) Mouse ES Cell Line	SCR011
EmbryoMax Embryonic Stem Cell Line – strain 129/SVEV	CMTI-1
EmbryoMax Embryonic Stem Cell Line – strain C57BL/6	CMTI-2
EmbryoMax Embryonic Stem Cell Line – strain DBA-1	CMTI-3
PluriStem 129S6/SvEv Mouse ES Cell Line	SCR012
PluriStem C57BL/6N Mouse ES Cell Line	SCC050
PluriStem NZW Mouse ES Cell Line	SCC013
PluriStem BALB/c Mouse ES Cell Line	SCC052
PluriStem FVB/N Mouse ES Cell Line	SCC053
PluriStem DBA/2 Mouse ES Cell Line	SCC054
PluriStem C3H Mouse ES Cell Line	SCC055
全球畅销 欢迎订购 PMEF, strain CF1, not mytomycin-C treated	PMEF-CFL
全球畅销 欢迎订购 PMEF, strain CF1, mytomycin-C treated	PMEF-CF
全球畅销 欢迎订购 PMEF, strain FVB, neo resistant, not mytomycin-C treated	PMEF-NL
全球畅销 欢迎订购 PMEF, strain FVB, neo resistant,	PMEF-N
PMEF, strain C57BL/6, hygro resistant, not mytomycin-C treated	PMEF-HL
PMEF, strain C57BL/6, hygro resistant	PMEF-H




## 细胞培养液

ESGRO Complete PLUS Clonal Grade Medium 小鼠胚胎干细胞培养液是无血清无饲养层细胞培养配方, 配方明确, 包括 mLIF, BMP4 和选择性 GSK3 抑制剂, 维持细胞生长的良好状态及多分化潜能。ESGRO Complete Accutase™ Dissociation Solution 是非常温和的细胞离散试剂, 尤其适于小鼠胚胎干细胞操作。

描述	规格	目录编号
ESGRO Complete PLUS Clonal Grade Medium	100 mL	SF001-100P
全球畅销 欢迎订购 ESGRO Complete PLUS Clonal Grade Medium	500 mL	SF001-500P
全球畅销 欢迎订购 ESGRO Complete Accutase™ Dissociation Solution	100 mL	SF006
ESGRO Complete Enzyme-Free Dissociation Solution	100 mL	SF009
ESGRO Complete Trypsin Solution	100 mL	SF007

## 生长因子或添加剂

ESGRO LIF Medium Supplement 已经过生物活性检测并根据有效单位提供，因此更确保了不同批次之间的稳定性并且更方便使用。

描述	规格	目录编号
 ESGRO mLIF Medium Supplement	10 <sup>6</sup> units	ESG1106
 ESGRO mLIF Medium Supplement	10 <sup>7</sup> units	ESG1107
 Rat ESGRO (rat LIF) Medium Supplement	10 <sup>6</sup> units	ESG2206
 Rat ESGRO (rat LIF) Medium Supplement	10 <sup>7</sup> units	ESG2207
 Leukemia Inhibitory Factor (LIF), recombinant mouse	10 µg	LIF2010
 Leukemia Inhibitory Factor, recombinant rat	10 µg	LIF3010
 Leukemia Inhibitory Factor, recombinant mouse	50 µg	LIF2050

## 基因打靶

描述	目录编号
 EmbryoMax knock-out kit	ES-100





## 小鼠胚胎培养基

描述	规格	目录编号
KSOM Embryo culture powder, without phenol red	5 × 50 mL	MR-020P-5D
M2 Medium powder, with phenol red	5 × 50 mL	MR-015P-5D
Modified M16 Medium powder, without phenol red	5 × 50 mL	MR-010P-5D

## 鼠胚胎干细胞分化试剂与试剂盒



描述	规格	目录编号
Mouse ES cell neurogenesis kit		SCR101
Mouse ES cell adipogenesis kit		SCR100
Embryoid body formation medium	100 mL	SCM018
N-2, NDiff Neuro-2 Medium supplement (200X)	5mL	SCM012
B-27, NDiff Neuro-27 Medium supplement (100X)	10mL	SCM013

## 鼠胚胎干细胞鉴定试剂盒和抗体

描述	规格	目录编号
 Alkaline Phosphatase Detection Kit	100 tests	SCR004
FlowCelect Mouse Embryonic Stem Cell Nuclear Marker Characterization Kit, 包括抗体 Oct4, SSEA-1 和 SSEA-4		FCMEC25110
Quantitative Alkaline Phosphatase Detection Kit		SCR066
ES Cell Characterization Kit, 包含 Alkaline Phosphatase 活性检测和抗体 : SSEA-1, SSEA-4, TRA-1-60, TRA-1-81	100 reactions	SCR001
ES Cell Marker Sample Kit, 包括抗体 SSEA-1, SSEA-3, SSEA-4, TRA-1-60, TRA-1-81, Oct-4.		SCR002
 TRAPeZe Telomerase detection kit	112 assays	S7700
TRAPeZe ELISA Telomerase detection kit, strip well plate	96 assays	S7750
TRAPEZE-RT Telomerase Detection kit	224 reactions	S7710
 anti- Oct-4, mouse, clone 7F9.2	100 µg	MAB4419
anti- Rex-1, human, mouse, rat, clone 5B4.2	100 µg	MAB4316
anti- Stella (DPPA-3), human, mouse, clone 3H5.2	100 µg	MAB4388
anti- UTF, human, mouse, clone 5G10.2	100 µL	MAB4337
anti- SOX17, human, mouse	100 µg	09-038
anti- Nanog, mouse, N-terminus	100 µg	Ab5731
anti- SSEA-1, human, mouse, rat, clone MC-480	100 µg	MAB4301
anti- SSEA-3, human, mouse, clone MC-631	100 µg	MAB4303
 an.1ti- SSEA-4, human, mouse, clone MC-813-70	100 µg	MAB4304
anti-Sox-2, human, mouse	100 µg	MAB4343
anti-Nestin, mouse, rat, clone rat-401	100 µg	MAB 353
anti-Prominin-1 (CD133), mouse, clone 13A4	100 µg	MAB4310
anti-Collagen Type1, mouse	100 µg	AB765P
anti-Integrin beta1, human, mouse, clone HM beta 1	100 µg	CBL1348

## 鼠胚胎干细胞示踪试剂盒和抗体

The MilliTrace constitutive GFP reporter mouse embryonic stem cell kit 提供持续性表达 GFP 的即用型小鼠胚胎干细胞和扩增培养基，适于研究细胞的增殖迁移和分化等。The MilliTrace Nanog GFP reporter mouse embryonic stem cell kit 提供快速非侵袭性方式监测多潜能干细胞的 Nanog 的表达，用以识别影响干细胞分化的因子，了解 Nanog 或其它因子在维持胚胎干细胞的自我更新的作用，试剂盒提供细胞和相应培养基。

描述	规格	目录编号
 MilliTrace Constitutive GFP Reporter Mouse Embryonic Stem Cell Kit		SCR082
 MilliTrace Nanog GFP Reporter Mouse Embryonic Stem Cell Kit		SCR089
anti-Bromodeoxyuridine (BrdU)	100 µL	MAB3510
anti-Green Fluorescent Protein (GFP, eGFP)	100 µL	MAB3580
anti- Mitochondria, human	100 µL	MAB1273











# 4 神经干细胞研究常用试剂



## 人神经干细胞系及培养基

ReNcell 是导入了 c-Myc 基因的永生化人神经祖细胞，能分化为神经元和神经胶质细胞，单细胞层生长，20-30 小时倍增，传代 45 代保持核型稳定。CX 系源于人胚大脑皮层，VM 系源于人胚腹侧中脑，提供相应扩增培养基 ReNcell Human NSC Maintenance Media。ENStem-A 是没有基因改造的源于人胚胎干细胞神经祖细胞，二倍体核型传代 10 代稳定，提供相应的扩增和分化培养基。MilliTrace 系列是在 ReNcell 基础上经过基因改造而成，CX/VM Constitutive GFP Reporter Human Neural Stem Cell 持续性表达 GFP，适于示踪细胞的增殖迁移和分化等，CX Nestin GFP reporter human neural stem cell 中的 hmGFP 直接受 Nestin 表达调控，特别适合人神经干细胞的分化研究，MilliTrace 系列均提供相应扩增培养基 MilliTrace ReNcell Neural Stem Cell Expansion Media。











描述	规格	目录编号
 ReNcell CX Human Neural Progenitor cell line		SCC007
ReNcell CX Human Neural Progenitor cell line & media kit		SCC009
ReNcell VM Human Neural Progenitor cell line & media Kit		SCC010
ReNcell Human NSC Maintenance Media	500mL	SCM005
 ReNcell Human NSC Maintenance Media	500mL	SCM005
ENStem-A Human Neural Progenitor cell line & media Kit		SCR055
ENStem-A Expansion Medium	500mL	SCM004
ENStem-A Neuronal Differentiation Medium	100mL	SCM017
MilliTrace VM Constitutive GFP Reporter Human Neural Stem Cell line & media kit		SCR092
 MilliTrace VM Constitutive GFP Reporter Human Neural Stem Cell line & media kit		SCR092
 MilliTrace CX Constitutive GFP Reporter Human Neural Stem Cell line & media kit		SCR095
 MilliTrace CX Nestin GFP Reporter Human Neural Stem Cell line & media Kit		SCR096
 MilliTrace ReNcell Neural Stem Cell Expansion Media	500mL	SCM043

## 啮齿类动物神经干细胞系及培养基

均提供相应扩增培养基

描述	规格	目录编号
Adult Rat Hippocampal Neural Stem Cell line & media kit		SCR022
Mouse Cortical Neural Stem Cell line & media kit		SCR029
Mouse Spinal Cord Neural Stem Cell line & media kit		SCR031
Rodent Neuron Differentiation kit		SCR035
 MilliTrace Constitutive GFP Reporter Adult Rat Hippocampal Neural Stem Cell line & media kit		SCR080
 MilliTrace Constitutive GFP Reporter Mouse Cortical Neural Stem Cell line & media kit		SCR081
Rat Neural Stem Cell Expansion Medium	500 mL	SCM009
Mouse Neural Stem Cell Expansion Medium	500 mL	SCM008
Neural Stem Cell Basal Medium	500 mL	SCM003
MilliTrace Rat Neural Stem Cell Expansion Medium	500 mL	SCM040
MilliTrace Mouse Neural Stem Cell Expansion Medium	500 mL	SCM041
MilliTrace Rodent Neural Stem Cell Basal Medium	500 mL	SCM060
Astrocyte Differentiation medium, (delete and move to the blue part)		SCM010
N-2, NDiff Neuro-2 Medium Supplement (200X)	5 mL	SCM012
B-27, NDiff Neuro-27 Medium Supplement (100X)	10 mL	SCM013

## 生长因子或添加剂

描述	规格	目录编号
BDNF, recombinant Human	10 µg	GF029
CNTF, recombi nant Human	20 µg	GF109
CNTF, recombinant Rat	25 µg	GF035
 EGF, recombinant human	500 µg	GF144
EGF, recombinant mouse	500 µg	GF155
FGF-1, recombinant human	50 µg	GF002
 basic FGF, recombinant human	50 µg	GF003
 basic FGF, animal free, recombinant human	50 µg	GF003-AF
FGF-4, recombinant human	25 µg	GF098
FGF-7/KGF, recombinant human	10 µg	01-118
FGF-8, recombinant human	25 µg	GF110
HGF, recombinant human	10 µg	GF116
IGF-I, recombinant human	100 µg	GF138
IGF-1, recombinant mouse	50 µg	GF121
IGF-II, recombinant human	50 µg	GF007
LIF (human)	10 µg	LIF1010
LIF (human)	50 µg	LIF1050
 ESGRO mLIF Medium Supplement	10 <sup>6</sup> units	ESG1106
 ESGRO mLIF Medium Supplement	10 <sup>7</sup> units	ESG1107
 Rat ESGRO (rat LIF) Medium Supplement	10 <sup>6</sup> units	ESG2206
 Rat ESGRO (rat LIF) Medium Supplement	50 µg	LIF2050
 Leukemia Inhibitory Factor (LIF), recombinant mouse	10 <sup>7</sup> units	ESG2207
 Leukemia Inhibitory Factor, recombinant mouse	10 µg	LIF2010
 Leukemia Inhibitory Factor (LIF), recombinant rat	10 µg	LIF3010
NGF 2.5S, mouse submaxillary glands	100 µg	01-125
NGF 7.0S, mouse submaxillary glands	100 µg	01-170
NGF, recombinant H	20 µg	GF038

描述	规格	目录编号
Neurotrophin 3 (NT-3), recombinant H	10 µg	GF031
Neurotrophin 4/5 (NT-4/5), recombinant H	10 µg	GF032
PDGF-AA, recombinant human	10 µg	GF142
PDGF-AB, recombinant human	10 µg	GF106
PDGF-BB, recombinant human	10 µg	GF149
TGF-b1, Human	5 µg	GF111
TGF-b2, Human	5 µg	GF113
TGF-a, recombinant human	100 µg	GF022
VEGF, 165, recombinant mouse	10 µg	GF140
VEGF, recombinant human, 165aa isoform	10 µg	GF094
VEGF, recombinant human	10 µg	01-185
Wnt-3a, recombinant mouse	5 µg	GF160
Wnt-5a, recombinant mouse	10 µg	GF146
Human Collagen Type I	100 µg	CC050
Human Laminin	100 µg	AG56P
Mouse Laminin	1 mg	CC095
Human Fibronectin, cellular	1 mg	08-102
Human Plasma Fibronectin	1 mg	FC010
Human Tenascin-C	100 µg	CC065
Poly-D-Lysine	20 mL	A-003-E
ECL Cell Attachment Matrix (EHS mouse tumor)	5 mg	08-110

## 分化试剂与试剂盒

描述	规格	目录编号
ENStem-A Human Neuronal Differentiation Medium	100mL	SCM017
Rodent neural stem cell Astrocyte Differentiation medium		SCM010
Human ES/iPS Neural Induction Medium	125ml	SCM110
Human ES/iPS Neuronal Differentiation Medium	100ml	SCM111
Human ES/iPS Neurogenesis Kit 用 NIM1 和 NIM2 培养基培养人 iPS 细胞, 培养 10 天后 80% 的细胞分化成 pax6 阳性的极化神经团		SCR603
Human Oligodendrocyte Differentiation Kit		SCR600
Human Oligodendrocyte Characterization Kit		SCR601
Rodent Neuron Differentiation Kit		SCR035
Mouse Embryonic Stem Cell Neurogenesis Kit 10 reactions		SCR101
NDiff Neuro-2 Medium Supplement (200x) 5ml		SCM012
NDiff Neuro-27 Medium Supplement (100x) 10ml		SCM013

## 鉴定试剂盒和抗体

描述	规格	目录编号
Human Neural Stem Cell Characterization Kit, 包括抗体 Nestin, Sox-2, Musashi, BIII-tubulin, GFAP 和 O1		SCR060
Neural Stem Cell Marker Characterization Kitq, 包括抗体 Nestin, Sox-2, MAP2a/b, GFAP, O1		SCR019
Human Embryonic Stem Cell Neurogenesis Characterization Kit, 包括抗体 OCT-4, SSEA-4, Sox-2, Nestin, BIII-tubulin, GAD67, ChAT 和 TH		SCR065
FlowCollect Rodent NSC Characterization Kit (Neural), 包括抗体 SOX-2, Nestin 和 BIII-tubulin	25 tests	FCRNC 25112
FlowCollect Rodent NSC Characterization Kit (Astrocyte) 包括抗体 SOX-2, Nestin 和 GFAP	25 tests	FCRNC 25114

描述	规格	目录编号
Neurite outgrowth assay kit (3 µm),	12assays	NS220
Neurite outgrowth assay kit (1 µm)	12assays	NS225
Human Neurogenesis CELISA Assay, colorimetric		SCR109
anti- Nestin, human, clone 10C2	100 µg	MAB5326
anti- Nestin, human	50 µL	AB5922
anti- Nestin, mouse, rat, clone rat-401	100 µg	MAB353
anti- Musashi-1, human, mouse, rat	100 µg	AB5977
Anti-GFAP (human, mouse, rat, bovine, porcine, chicken, rabbit), clone Ga5	40 µg	MAB3402
anti-GFAP (human, rat, bovine, canine)	50 µL	AB5804
anti-O4 (sulfatide) (human, mouse, rat, chicken), clone 81	50 µg	MAB345
anti- OCT-4, human, clone 10H11.2	100 µg	MAB4401
anti- SSEA-1, human, mouse	100 µg	MAB4301
anti- SSEA-4, human, mouse, clone MC-813-70	100 µg	MAB4304
anti- Sox-2, human, mouse	100 µg	MAB4343
anti- Sox-2, human, mouse	100 µg	AB5603
anti- GAD67, human, mouse, rat	100 µg	MAB5406
anti-ChAT (human, mouse, rat, avian, chicken, opossum, guinea pig)	500 µL	AB144P
anti-Tyrosine Hydroxylase (rat, mouse, ferret, mollusk)	100 µL	MAB318/Ab152
anti-Tyrosine Hydroxylase (clone LNC1) (human, rat, monkey, chicken, frog, vole)	100 µL	AB152
anti- Nuclei, human, clone 235-1	100 µL	MAB1281
anti-Neuron-Specific Nuclear Protein (NeuN) (human, rat, mouse, chicken, ferret, salamander), clone A60	500 µg	MAB377
anti-MAP-2, human, mouse, rat	100 µL	AB5622
anti-Tau I, human, rat, Bovine, clone PC1C6	100 µg	MAB3420
Anti-NF-L		MAB1615
anti-Interneixin Alpha, mammals, chicken	50 µL	AB5354
anti- tubulin Beta III isoform, avian, bovine, human, mouse, monkey, porcine, rat, sheep, clone TU-20	100 µL	MAB1637
anti-Growth Associated Protein-43 ( GAP-43), human, mouse, rat, chicken, bovine	100 µL	AB5220
anti-Synaptophysin, human, rat, porcine, hamster, clone Sp15	100 µL	MAB329
Anti-Synaptophysin, human, mouse, rat, bovine, fish, avian, clone Sy38	50 µg	MAB5258-50UG
anti-S-100 protein, human, mouse, rat, bovine, canine, feline, rabbit, clone 15E2-E2-A1	100 µg	MAB079-1
anti-Myelin Basic Protein (MBP), human, mouse	500 µL	AB980





# 5 间充质干细胞研究常用试剂

## 常用间充质干细胞鉴定试剂盒和抗体

描述	规格	目录编号
Pancreatic Cell DTZ Detection Assay 快速简便的鉴定胰腺组织中的 beta 细胞		SCR047
Human MSC Characterization Kit 包括人间充质干细胞的阳性标志物 CD44, CD90, STRO-1, CD146 和阴性标志物 CD14, CD19		SCR067
Rat Mesenchymal Stem Cell Characterization Kit 包括阳性标志物 integrin-1, CD54, fibronectin, collagen-I 以及阴性标志物 CD45, CD14		SCR018
Cardiac Stem Cell Isolation Kit 包括从组织分离, 纯化, 扩增培养和诱导分化为心脏细胞的全部组分 (delete and move to the blue part)		SCR061
Cd45, clone F10-89-4, human, mouse, rat	100 µg	05-1410
Cd45, clone IBL-5/25, mouse	500 µg	05-1416
Cd90 (Thy-1), clone F15-42-1, human	100 µg	CBL415
Cd90 (Thy-1.1), clone OX-7, rat	100 µg	MAB1406
Cd31 (PECAM-1), clone 390, mouse	500 µg	CBL1337
Cd31 (PECAM-1), clone HC1/6, human	100 µg	CBL468
Cd34 Class I, clone B1-3C5, human	100 µg	MAB4211
Cd34 Class II, clone QBEND/10, human, monkey	100 µg	CBL496
Cd34 Class III, clone 581, human	100 µg	CBL555
Cd44 (HCAM), Pan, clone SFF-2, human	100 µg	MAB4065
Cd54 (ICAM-1), clone 84H10, human	100 µg	MAB1379
Cd90 (Thy-1), clone F15-42-1, human	100 µg	CBL415
Cd90 (Thy-1.1), clone OX-7, rat	100 µg	MAB1406
Cd106 (VCAM-1), clone 1.G11B1, human	100 µg	CBL206
Cd106 (VCAM-1), clone MK-2, mouse	500 µg	CBL1300
Cd116 (GM-CSF-Receptor), human	100 µg	MAB1037
Cd133 (Prominin-1), clone 13A4, mouse	100 µg	MAB4310
c-Kit, clone YB5.B8, human	100 µg	MAB1162
MP4, clone 3H2, human, mouse, rat	100 µg	MAB1049
Collagen I, mouse	100 µg	AB765P
Collagen I, clone C11, human	100 µg	MAB1340
EVX2, mouse, rat	100 µg	AB10201
Fibronectin, mouse	100 µg	AB2033
Fibronectin, clone P1H11, human	100 µg	MAB1926
Flk-1 (VEGFR-2, KDR), clone 4H3B6H9, mouse	100 µg	MAB1147
Flk-1 (VEGFR-2, KDR), human, mouse, porcine	100 µg	07-716
LEO1, human	100 µg	AB10190
MEQX1, human, mouse, rat	100 µg	AB10202
MSX2, human, mouse, rat	100 µg	AB10211
Nucleostemin human	50 µg	AB5689
Nucleostemin, mouse	50 µg	AB5691
OSTERIX, human, 100 µg	100 µg	AB3743
PTF1A, mouse, 100 µL	100 µg	AB3725
SSEA-1, clone MC 480, human, mouse, rat	100 µg	MAB4301
STRO-1, clone STRO-1, human, primate	100 µg	MAB4315

## 细胞培养液

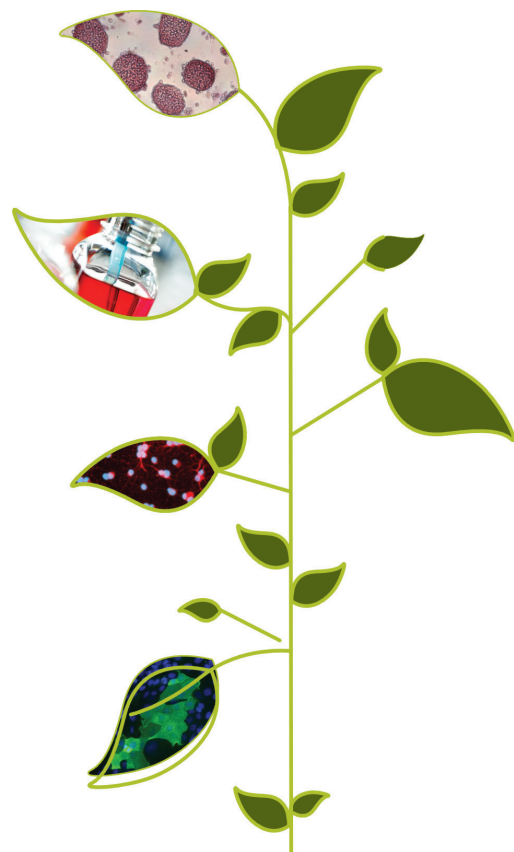
描述	规格	目录编号
Mesenchymal Stem Cell Expansion Medium	500 mL	SCM015
Cardiac Stem Cell Maintenance Medium	500 mL	SCM101
Cardiomyocyte Differentiation Medium	500 mL	SCM102
Mesenchymal Stem Cell Freezing Medium (1x)	50 mL	SCM016
Pancreatic Cell Culture Supplement	50 mL	SCR015
Pancreatic Cell Culture Medium	1 管	SCR016
Pancreatic Cell Cryopreservation Medium	30 mL	SCR017

## 常用间充质干细胞鉴定试剂盒和抗体




描述	目录编号
Mesenchymal Stem Cell Adipogenesis Kit, 包括 dexamethasone, IBMX, insulin, indomethacin 及 Oil Red O staining solution, 诱导间充质干细胞向脂肪细胞分化	SCR020
Mesenchymal Stem Cell Osteogenesis Kit, 包括 ECM 分子 collagen-I, vitronectin 和诱导剂 dexamethasone, ascorbic acid 2-phosphate, b-glycerophosphate 以及鉴定试剂 Alizarin Red solution, 诱导间充质干细胞向成骨细胞分化	SCR028
OsteoMAX-XF™ Differentiation Medium 仅 7 天, 大于 80% 分化效率!	SCM121
In Vitro Osteogenesis Assay Kit 促使成骨细胞分化, 并可鉴定	ECM810
Osteogenesis Quantitation Kit 鉴定骨发生	ECM815
Rodent Cardiomyocyte Differentiation Medium, 500 mL, 诱导心脏干细胞向心肌细胞分化	SCM102
Cardiac Stem Cell Isolation Kit 包括从组织分离, 纯化, 扩增培养和诱导分化为心脏细胞的全部组分	SCR061

## 间充质干细胞系

描述	规格	目录编号
Human Mesenchymal Stem Cells (derived from bone marrow) & expansion media	> 1X10 <sup>6</sup> cells	SCR108
Rat Mesenchymal Stem Cells (cryopreserved)	> 1X10 <sup>6</sup> cells	SCR027
MSC's derived from human adipose tissue	1X10 <sup>6</sup> cells/vial	SCC038
Human Mesenchymal Stem Cells (derived from hES cells)	1X10 <sup>6</sup> cells	SCC036
LT2 Immortalized Pancreatic Mesenchymal Cell Line	5 x10 <sup>5</sup> cells	SCR013
Rat Mesenchymal Stem Cell Kit, 包括即用型的 Rat Mesenchymal Stem Cells, 阳性标志物 integrin-1 和 CD54, 阴性标志物 CD45 和 CD14		SCR026




# 生长因子或添加剂

描述	规格	目录编号
 EGF, recombinant human	500 µg	GF144
EGF, recombinant mouse	500 µg	GF155
FGF-1, recombinant human	50 µg	GF002
 basic FGF, recombinant human	50 µg	GF003
 basic FGF, animal free, recombinant human	50 µg	GF003-AF
FGF-4, recombinant human	25 µg	GF098
FGF-7/KGF, recombinant human	10 µg	01-118
FGF-8, recombinant human	25 µg	GF110
HGF, recombinant human	10 µg	GF116
IGF-I, recombinant human	100 µg	GF138
IGF-1, recombinant mouse	50 µg	GF121
IGF-II, recombinant human	50 µg	GF007
LIF( human)	10 µg	LIF1010
Leukemia Inhibitory Factor, recombinant human	50 µg	LIF1050
Leukemia Inhibitory Factor, recombinant mouse	10 µg	LIF2010
Leukemia Inhibitory Factor, recombinant mouse	50 µg	LIF2050
ESGRO mLIF Medium Supplement	106 units	ESG1106
ESGRO mLIF Medium Supplement	107 units	ESG1107
Rat ESGRO (rat LIF) Medium Supplement	106 units	ESG2206
Rat ESGRO (rat LIF) Medium Supplement	107 units	ESG2207
Leukemia Inhibitory Factor (LIF), recombinant rat	10 µg	LIF3010
Interferon- $\gamma$ , recombinant human	100 µg	IF002
Interferon- $\gamma$ , recombinant mouse	100 µg	IF005
Interferon- $\gamma$ , recombinant rat	100 µg	IF006
Leptin, mouse	1 mg	GF050
Osteoprotegerin, recombinant human	50 µg	GF120
soluble RANK ligand (sRANKL), recombinant human	10 µg	GF091
HumanKine® Activin A, Human Recombinant Xeno-Free	10 µg	GF400
HumanKine® b NGF, Human Recombinant Xeno-Free	10 µg	GF401
HumanKine® BMP-2, Human Recombinant Xeno-Free	10 µg	GF402
HumanKine® BMP-4, Human Recombinant Xeno-Free	10 µg	GF403
HumanKine® BMP-7, Human Recombinant Xeno-Free	10 µg	GF404
HumanKine® Cystatin C, Human Recombinant Xeno-Free	10 µg	GF405
HumanKine® EPO, Human Recombinant Xeno-Free	10 µg	GF406
HumanKine® FGF basic, Human Recombinant Xeno-Free	50 µg	GF407
HumanKine® FGF-4, Human Recombinant Xeno-Free	10 µg	GF408
HumanKine® FGF-7 (KGF), Human Recombinant Xeno-Free	10 µg	GF409
HumanKine® FGF-8b, Human Recombinant Xeno-Free	10 µg	GF410
HumanKine® FLT3 Ligand, Human Recombinant Xeno-Free	10 µg	GF411
HumanKine® G-CSF, Human Recombinant Xeno-Free	10 µg	GF412
HumanKine® GM-CSF, Human Recombinant Xeno-Free	10 µg	GF413
HumanKine® HGF, Human Recombinant Xeno-Free	10 µg	GF414
HumanKine® HGH, Human Recombinant Xeno-Free	10 µg	GF415
HumanKine® IFN $\alpha$ 2A, Human Recombinant Xeno-Free	10 µg	GF416
HumanKine® IFN $\alpha$ 2B, Human Recombinant Xeno-Free	10 µg	GF417
HumanKine® IL-1 $\beta$ , Human Recombinant Xeno-Free	10 µg	GF418
HumanKine® IL-10, Human Recombinant Xeno-Free	10 µg	GF419
HumanKine® IL-12, Human Recombinant Xeno-Free	10 µg	GF420
HumanKine® IL-17 (IL-17A), Human Recombinant Xeno-Free	10 µg	GF421
HumanKine® IL-17F, Human Recombinant Xeno-Free	10 µg	GF422
HumanKine® IL-2, Human Recombinant Xeno-Free	10 µg	GF423
HumanKine® IL-23, Human Recombinant Xeno-Free	10 µg	GF424
HumanKine® IL-28A, Human Recombinant Xeno-Free	10 µg	GF425
HumanKine® IL-28B, Human Recombinant Xeno-Free	10 µg	GF426
HumanKine® IL-29, Human Recombinant Xeno-Free	10 µg	GF427
HumanKine® IL-3, Human Recombinant Xeno-Free	10 µg	GF428
HumanKine® IL-4, Human Recombinant Xeno-Free	10 µg	GF429

HumanKine® IL-6, Human Recombinant Xeno-Free	10 µg	GF430
HumanKine® IL-9, Human Recombinant Xeno-Free	10 µg	GF431
HumanKine® LEFTY-1, Human Recombinant Xeno-Free	10 µg	GF432
HumanKine® M-CSF, Human Recombinant Xeno-Free	10 µg	GF433
HumanKine® Noggin, Human Recombinant Xeno-Free	10 µg	GF434
HumanKine® OSM, Human Recombinant Xeno-Free	10 µg	GF435
HumanKine® PDGF $\alpha\alpha$ , Human Recombinant Xeno-Free	10 µg	GF436
HumanKine® Pro IGF-II, Human Recombinant Xeno-Free	10 µg	GF437
HumanKine® SCF, Human Recombinant Xeno-Free	10 µg	GF438
HumanKine® TGF $\beta$ 1, Human Recombinant Xeno-Free	10 µg	GF439
HumanKine® TGF $\beta$ 2, Human Recombinant Xeno-Free	10 µg	GF440
HumanKine® TGF $\beta$ 3, Human Recombinant Xeno-Free	10 µg	GF441
HumanKine® TNF $\alpha$ , Human Recombinant Xeno-Free	10 µg	GF442
HumanKine® TPO, Human Recombinant Xeno-Free	10 µg	GF443
HumanKine® VEGF121, Human Recombinant Xeno-Free	10 µg	GF444
HumanKine® VEGF165, Human Recombinant Xeno-Free	10 µg	GF445

## 6 二抗

描述	规格	目录编号
Goat Anti-Rabbit IgG, HRP conjugate	500 µg	12-348
Goat Anti-Mouse IgG, HRP conjugate	500 µg	12-349
Goat anti-Mouse IgG, Peroxidase Conjugate	2 mL	AP124P
Goat anti-Mouse IgG, Alkaline Phosphatase	1 mL	AP124A
Goat anti-Mouse IgG, Cy3-Conjugated, H+L	2 mg	AP124C
Goat anti-Mouse IgG, (H+L) FITC Conjugate	2 mg	AP124F
Goat anti-Rabbit IgG, (H+L) FITC Conjugate	2 mg	AP132F
Goat anti-Rabbit IgG, Cy3-Conjugate	2 mg	AP132C
Goat anti-Rabbit IgG, Peroxidase Conjugate	2 mL	AP132P
Goat anti-Mouse IgG, Poly-HRP, Ampli-HRP	15 mL	AP340P-15ML
PDGF -AA, recombinant human	10 µg	GF142
PDGF-AB, recombinant human	10 µg	GF106
PDGF-BB, recombinant human	10 µg	GF149
TGF- $\beta$ 1, Human	5 µg	GF111
TGF- $\beta$ 2, Human	5 µg	GF113
TGF- $\alpha$ , recombinant human	100 µg	GF022
VEGF, 165, recombinant mouse	10 µg	GF140
VEGF, recombinant human, 165aa isoform	10 µg	GF094
VEGF, recombinant human	10 µg	01-185
 Wnt-3a, recombinant mouse	5 µg	GF160
Wnt-5a, recombinant mouse	10 µg	GF146
Human Collagen Type I	100 µg	CC050
Human Laminin	100 µg	AG56P
 Mouse Laminin	1 mg	CC095
Human Fibronectin, cellular	1 mg	08-102
 Human Plasma Fibronectin	1 mg	FC010
Human Tenascin-C	100 µg	CC065
Human Vitronectin, recombinant	500 µg	08-126
ECL Cell Attachment Matrix (EHS mouse tumor)	5 mg	08-110

# Scepter 2.0:

拿在手里的细胞计数器，  
跃然眼前的直方图分析！

与传统的细胞计数方法相比：

- 快速！14秒完成细胞计数
- 精确 (CV<5%)
- 方便！像pipette一样
- 适合多种大小的细胞检测 (3-36 $\mu$ m)
- 细胞状况实时监控！
- 强大的分析软件



## 精巧绝伦的设计，屡获殊荣

- 美国《Laboratory Equipment》杂志的 2010 年最受读者欢迎奖 ("Readers' Choice Awards")
- 美国《The Scientist》杂志的 2010 年度生命科学领域十大创新产品
- 国际权威刊物《Instrument Business Outlook》(仪器市场展望) 第 17 届工业设计金奖
- Eurolab (欧洲分析测量技术展) 2011 年量佳产品奖 ("Best Offer at Eurolab 2011")

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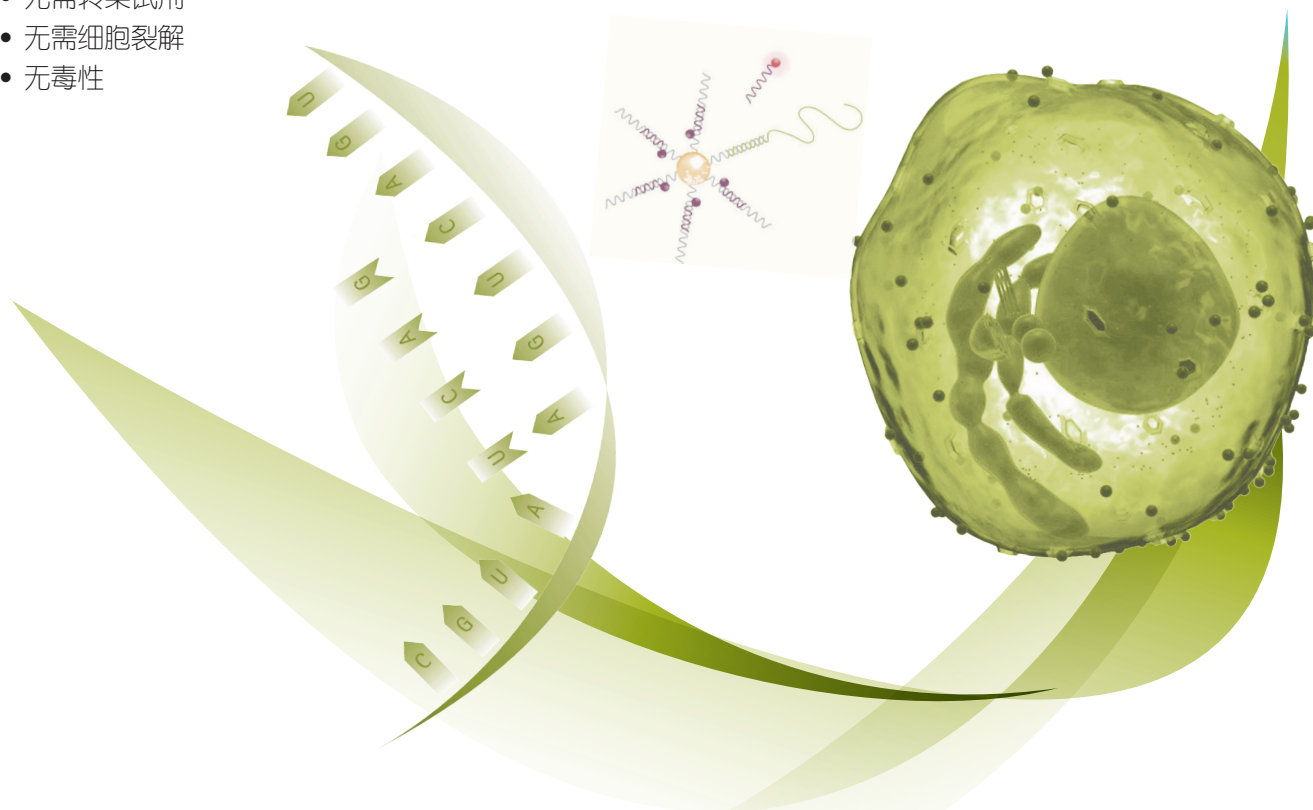
Cell Death Differ. 2011; 18(7): 1089-98.  
PLoS One. 2011; 6(7): e22379.  
J Biol Chem. 2011; 286(31): 27176-82.  
Aging Cell. 2011; 10(6): 949-61.  
Stem Cell Res. 2011; 7(3): 219-29.  
Free Radic Biol Med. 2012 Feb 1; 52(3): 705-15.  
Free Radic Biol Med. 2012 Jan 1; 52(1): 182-90.  
Kidney Int. 2011; 79(9): 1013-25.

欲知详情：[www.millipore.com/scepter](http://www.millipore.com/scepter)

# SmartFlare™ RNA 灵光

## 活细胞 RNA 检测纳米技术

- 无需样本制备
- 无需 RNA 扩增
- 无需转染试剂
- 无需细胞裂解
- 无毒性



### 干细胞相关 SmartFlare™ RNA 灵光部分产品：

描述	目录编号
OCT4 Hu-Cy3 SmartFlare Probe	SF-438
Oct4 Hu-Cy5 SmartFlare Probe	SF-460
KLF4 Hu-Cy5 SmartFlare Probe	SF-917
MYC Hu-Cy3 SmartFlare RNA Probe	SF-736
Myc Hu-Cy5 SmartFlare Probe	SF-702
Nestin Rt-Cy5 SmartFlare Probe	SF-463
BMP4 Hu-Cy5 SmartFlare Probe	SF-1067
BMP4 Ms-Cy5 SmartFlare Probe	SF-1069

描述	目录编号
Vimentin Hu-Cy3 SmartFlare Probe	SF-901
Vimentin Hu-Cy5 SmartFlare Probe	SF-462
Vimentin Rt-Cy5 SmartFlare Probe	SF-473
Beta Actin Hu-Cy3 SmartFlare Probe	SF-145
Beta Actin Hu-Cy5 SmartFlare Probe	SF-144
Beta Actin Ms-Cy5 SmartFlare Probe	SF-781
Beta Actin Rt-Cy3 SmartFlare Probe	SF-784
Beta Actin Rt-Cy5 SmartFlare Probe	SF-783

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