

Materials List for

Technique for Isolation and Culture of Rat Jaw Bone Marrow Mesenchymal Stem Cells

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Materials

Name	Company	Catalog Number	Comments
Alizarin Red S Solution 0.2%	Solarbio	G1450	
BCIP/NBT Alkaline Phosphatase Color Development Kit	Beyotime	C3206	
Bio-Rad CFX96 Real-Time System	Bio-Rad		
CCK8 Kit	Dujindo	CK04	
Cell culture dish 10 cm	Corning	353003	
Centrifuge	Eppendorf	5810R	
Centrifuge Tube 15 mL	Corning	430790	
Centrifuge Tube 50 mL	Corning	430828	
CO ₂ incubator	Thermo Fisher	3111	
Constant-temperature oscillator	Shanghai Zhicheng Analysis Instrument Manufacturing Co., Ltd.	ZWY-100H	
Fetal bovine serum	BI	04-001-1ACS	
Flow cytometer	BD	FACS C6	
Inverted phase-contrast microscope	Olympus	CKX41	
Mesenchymal Stem Cell (Rat) Surface marker Detection Kit	Oricell	RAXMX-09011	
Multifunctional microplate reader	BioTek	Synergy LX Multi-Mode	
Oil Red O Stain Kit	Solarbio	G1262	
Paraformaldehyde 4%	Solarbio	P1110	
PBS	MACGENE	CC008	
penicillin-streptomycin 0.25%	MACGENE	CC004	
PowerUp SYBR Green Master Mix	Thermo Fisher	A25742	
PrimeScript RT Master Mix	Takara	RR036A	
Rat Bone Marrow Mesenchymal Stem Cells Adipogenic Differentiation kit	Oricell	RAXMX-90031	

Rat Bone Marrow Mesenchymal Stem Cells Chondrogenic Differentiation kit	Oricell	RAXMX-90041	
Rat Bone Marrow Mesenchymal Stem Cells Osteogenic Differentiation kit	Oricell	RAXMD-90021	
RNA extraction kit	TIANGEN	DP419	
Super-clean bench	Beijing Yataikelong Instrument Technology Co. Ltd.	KLCZ-1220A	
Trypsin-EDTA 0.25%	MACGENE	CC012	
Type II collagenase	Solarbio	C8150	
Wistar rat	Beijing Yataikelong Instrument Technology Co. Ltd.		
α -MEM culture medium	Gibco	C12571500BT	