

Materials List for:

Visualization and Quantification of Mesenchymal Cell Adipogenic Differentiation Potential with a Lineage Specific Marker

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Materials

Name	Company	Catalog Number	Comments
Tris Base	Invitrogen	15504-020	Tris buffered saline
Sodium Chloride	Merck	1064041000	Tris buffered saline
Potassium Chloride	Merck	1049360500	Tris buffered saline
Sodium Azide	Scharlau	SO0091	Casein blocker solution
Casein	Sigma	C7078-500G	Casein blocker solution
PBS tablet	Sigma	P4417-100TAB	Phosphate buffered saline
DMEM/F12	Gibco	11330-032	Cell culture
Penicillin/streptomycin	Invitrogen	15140-122	Cell culture
Glutamax	Gibco	35050-061	Cell culture
Fetal bovine serum	Gibco	10091-148	Cell culture
TrypLE Select Enzyme (1X), no phenol red	Gibco	12563-029	Cell dissociation enzyme
96 well plate (flat bottom)	Falcon	FAL353072	Cell culture equipment
T75 culture flask, with filter cap	Greiner	658175	Cell culture equipment
Insulin	Sigma	19278-5ML	Adipogenic differentiation media
dexamethasone	Sigma	D2915-100MG	Adipogenic differentiation media
indomethacin	sigma	I7378-5G	Adipogenic differentiation media
Oil-Red O	Sigma	O-0625	Classic stain for adipogenesis
Isopropanol	Merck	1.09634	Classic stain for adipogenesis
16% formaldehyde	Pierce	28908	Cell fixation
Acetone	Merck	100983	Cell fixation
DAPI	Sigma	D9542	Immunocytochemistry
Anti rabbit IgG alexa 488	Molecular Probes	A11008	Immunocytochemistry
Thimerosal	Sigma	T5125-10G	Immunocytochemistry
Rabbit anti-human fatty acid binding protein 4 (FABP4) antibody	Cayman Chemicals	10004944	Marker of adipogenesis
Centrifuge tubes (15mL)	Greiner	GR188271	General
Centrifuge tubes (50mL)	Greiner	GR227261-P	General
ImageXpress Micro XLS	Molecular Devices		high content screening machine

MetaXpress	Molecular Devices		high content screening software, version 5.4.01
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