

Materials List for

Characterizing Exon Skipping Efficiency in DMD Patient Samples in Clinical Trials of Antisense Oligonucleotides

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jove.com/video/60672

Materials

Name	Company	Catalog Number	Comments
100 bp DNA Ladder	Takara	3407A	marker solution for MultiNA
1mol/l-Tris-HCl Buffer Solution(pH 7.6)	Nacalai	35436-01	
2-mercaptoethanol	Nacalai	21418-42	
2-Methylbutane (Isopentane)	Sigma-Aldrich	15-2220	
5 mL Round Bottom Polystyrene Test Tube	Falcon	352235	
6× Loading Buffer	Takara	9156	
Agarose ME	Iwai chemical	50013R	
Applied Biosystems 3730 DNA Analyzer	Applied Biosystems	A41046	
BD Matrigel Matrix	BD Biosciences	356234	
BigDye Terminator v3.1 Cycle Sequencing Kit	Applied Biosystems	4337455	
Bovine Serum Albumin solution	Sigma-Aldrich	A8412	
Bromophenol blue	Nacalai	05808-61	
Centri-Sep 96-Well Plates	Applied Biosystems	4367819	
cOmplete Protease Inhibitor Cocktail	Roche	4693116001	
DMEM/F-12	Gibco	11320033	
ECL Prime Blocking Reagent	GE healthcare	RPN418	
ECL Prime Western Blotting Detection Reagent	GE healthcare	RPN2232	
Endo-Porter	GeneTools	2922498000	
Experion Automated Electrophoresis Station	Bio-Rad	7007010	Microchip electrophoresis system A
Experion DNA 1K Analysis Kit for 10 Chips	Bio-Rad	7007107JA	

Experion Priming Station	Bio-Rad	7007030	
Experion Vortex Station II	Bio-Rad	7007043	
Extra Thick Blot Filter Paper	Bio-Rad	1703965	
EzBlot	Atto	AE-1460	
GelRed Nucleic Acid Gel Stain	Biotium	41003	
glass vial	Iwaki	1880 SV20	
Glycerol	Nacalai	17045-65	
Histofine Simple Stain MAX PO	Nichirei	424151	
Horse Serum	Gibco	16050122	
Immobilon-P Transfer Membrane	Millipore	IPVH304F0	
ITS Liquid Media Supplement	Sigma-Aldrich	I3146	
Methanol	Sigma-Aldrich	34860	
MicroAmp Clear Adhesive Film	Applied Biosystems	4306311	
MultiNA	SHIMADZU	MCE-202	Microchip electrophoresis system B
Multiplate 96-Well PCR Plates	Bio-Rad	mlp9601	
NanoDrop One Microvolume UV-Vis Spectrophotometer with Wi-Fi	Thermo Scientific	ND-ONE-W	
Novocastra™ Lyophilized Mouse Monoclonal Antibody Dystrophin (C-terminus)	Leica biosystems	NCL-DYS2	
Novocastra™ Lyophilized Mouse Monoclonal Antibody Spectrin	Leica biosystems	NCL-SPEC1	
NuPAGE 3-8% Tris-Acetate Protein Gels	Invitrogen	EA03785BOX	
NuPAGE Antioxidant	Invitrogen	NP0005	
NuPAGE LDS Sample Buffer	Invitrogen	NP0007	
NuPAGE Sample Reducing Agent	Invitrogen	NP0009	
NuPAGE Tris-Acetate SDS Running Buffer	Invitrogen	LA0041	
Oriole Fluorescent Gel Stain	Bio-Rad	1610496	
PBS	Gibco	10010023	
Penicillin-Streptomycin Solution Stabilized	Sigma-Aldrich	P4458	
Phycotron Handy micro-homogenizer	MICROTEC	NS-310E3	
Pierce BCA Protein Assay Kit	Thermo Scientific	23227	
Polybrene Infection / Transfection Reagent	Sigma-Aldrich	TR-1003	
Propidium Iodide Staining Solution	BD Pharmingen	556463	
QIAGEN OneStep RT-PCR Kit	Qiagen	210212	
RNeasy Fibrous Tissue Mini Kit	Qiagen	74704	
SDS	Nacalai	31606-75	
Semi-dry transfer machine	Bio Craft	41-1293	
SYBR Gold Nucleic Acid Gel Stain	Invitrogen	S11494	for MultiNA
TAE Buffer	Nacalai	35430-61	
Tragacanth Gum	Wako	200-02245	
Tris-EDTA Buffer	Nippon Gene	316-90025	for MultiNA
Trypsin-EDTA (0.05%)	Gibco	25300054	
TWEEN 20	Sigma-Aldrich	P9416	
Urea	Nacalai	35907-15	

Wizard SV Gel and PCR Clean-Up System	Promega	A9281	
XCell SureLock Mini-Cell	Invitrogen	EI0001	