

Materials List for:

Immunolabelling Myofiber Degeneration in Muscle Biopsies

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Materials

Name	Company	Catalog Number	Comments
Circular cork disks	Pyramid Innovation	R30001-E	Don't forget to clearly label the cork so that the the ID of the sample can be determined after freezing
Cryostat	Leica	CM3050 sn34	Muscle cryosectioning should be performed between -20 and -25°C. Thickness:7-10 micrometers.
Dakopen	Dako	S2002	A hydrophobic barrier around the muscle sections. It prevents the dispersion of medium during incubation
Forceps	FST	91117-10	/
Goat anti-Mouse IgG (H+L) antibody, Alexa Fluor Plus 488	ThermoFischer Scientific	A-11029	Dilution: 1/500
Goat anti-Rabbit IgG (H+L) antibody Alexa Fluor Plus 594	ThermoFischer Scientific	A32740	Dilution: 1/500
Goat serum	Jackson ImmunoResearch	005-000-121	At the blocking step, use 10% dilution in PBS. For antibodies incubation, use 5% dilution in PBS
Isopentane	Sigma Aldrich	78-78-4	Freezing medium. Should be cooled down in a beaker placed in liquid nitrogen.
mdx mouse	Jackson Laboratory	C57BL/10ScSn-Dmdmdx/J	Mdx mice are mutated for the dystrophin gene. From three weeks of age, muscles are characterized by chronic degeneration
Microscope	Zeiss	Imager.D1	/
OCT	Cellpath	KMA-0100-00A	Embedding matrix
PFA (Paraformaldehyde)	ThermoFischer Scientific	28908	Used for fixing cryosection (2% or 4% PFA can be used)
PBS	Eurobio	CS3PBS00-01	Dilution medium for immunolabeling
Precision scissors	FST	fst 14001-12 and fst 14001-14	Used for the muscle collection
Rabbit antibody to mouse pan-Laminin	Sigma Aldrich	L9393	Dilution: 1/1000
Tragacanth	Sigma Aldrich	G1128	Aliquots to keep at +4°C