

Materials List for:

# Methylnitrosourea (MNU)-induced Retinal Degeneration and Regeneration in the Zebrafish: Histological and Functional Characteristics

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## Materials

Name	Company	Catalog Number	Comments
Acetic acid	Sigma-Aldrich, Buchs, Switzerland	A6283	
Ammonia	Sigma-Aldrich, Buchs, Switzerland	294993	0.80%
Bovine serum albumine (BSA)	Sigma-Aldrich, Buchs, Switzerland	05470	
Dako Pen	Dako, Glostrup, Danmark	S2002	
DAPI mounting medium	Vector Labs, Burlingame, CA, USA	H-1200	
Eosin	Sigma-Aldrich, Buchs, Switzerland	45260	
Ethanol	Sigma-Aldrich, Buchs, Switzerland	2860	100%, 96%, 70%
Ethylenediaminetetraacetic acid (EDTA)	Sigma-Aldrich, Buchs, Switzerland	ED	
Ethyl 3-aminobenzoate methanesulfonate salt	Sigma-Aldrich, Buchs, Switzerland	E10521	Tricaine
Eukitt	Sigma-Aldrich, Buchs, Switzerland	3989	
Goat anti-rabbit Alexa 594	Life Technologies, Zug, Switzerland	A11012	
Goat normal serum	Dako, Glostrup, Danmark	X0907	
Hydrochloric acid	Sigma-Aldrich, Buchs, Switzerland	320331	0.20%
In situ Cell Death Detection Kit	Roche Applied Sciences, Rotkreuz, Switzerland	11684795910	TUNEL Kit
Mayer's hemalum solution	Merck, Darmstadt, Germany	109249	
Methylnitrosourea (MNU)	Sigma-Aldrich, Buchs, Switzerland	N4766	Toxic
OptoMotry	CerebralMechanics, Lethbridge, AB, Canada	n.a.	
Paraformaldehyde (PFA)	Sigma-Aldrich, Buchs, Switzerland	P6148	
Phosphate buffered saline (PBS)	Sigma-Aldrich, Buchs, Switzerland	P5368	
Proteinase K	Dako, Glostrup, Danmark	S3004	
Rabbit anti-PCNA	Santa Cruz Biotechnology, Santa Cruz, USA	sc-33756	
Superfrost Plus glass slides	Gehard Menzel GmbH, Braunschweig, Germany	10149870	
Tris buffered saline (TBS)	Sigma-Aldrich, Buchs, Switzerland	P5912	
Trizma base	Sigma-Aldrich, Buchs, Switzerland	T1503	
Tween 20	Sigma-Aldrich, Buchs, Switzerland	P1379	
Xylene	Sigma-Aldrich, Buchs, Switzerland	534056	
Zebrafish (Danio rerio) AB (Oregon) strain	University of Fribourg, Dept. of Biology	n.a.	Own fish facility