

Materials List for:

A High-Throughput In Situ Method for Estimation of Hepatocyte Nuclear Ploidy in Mice

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Materials

Name	Company	Catalog Number	Comments
3,5-diethoxycarboxynl-1,4-dihydrocollidine diet (DDC)	TestDiet	1810704	Modified LabDiet mouse diet 5015 with 0.1% DDC
Alexa Fluor 488 donkey anti-goat IgG (H+L)	Invitrogen	A11055	Dilution 1:500
Bovine Serum Albumin	Sigma-Aldrich	A7906	
Cryostat Leica CM1850 UV	Leica biosystems	CM1850 UV	Tissue sectioning
Fluorescent Mounting medium	Dako	S3023	
GraphPad Prism	GraphPad Software	Prism 8	Statistical software for graphing data
Hoechst 33342	Sigma-Aldrich	B2261	Final concentration 5 µg/mL
IN Cell Analyzer 1000	GE Healthcare Bio-Sciences Corp		High-Content Cellular Imaging and Analysis System
MATLAB	MathWorks	R2019a	Data analytics software for automated analysis of nuclear ploidy
Microscope coverslides	VWR International	630-2864	Size of 24 x 60 mm
Microsoft Office Excel	Microsoft		Speadsheet software
OCT Tissue Tek	Pascual y Furió	4583	
Paraformaldehyde	Panreac AppliChem	141451.121	
Pen for immunostaining	Sigma-Aldrich	Z377821-1EA	5mm tip width
Polysine Microscope Slides	VWR International	631-0107	
Rabbit polyclonal Anti-HNF4α	Thermo Fisher Scientific	PA5-79380	Dilution 1:250 (alternative)
Rabit polyclonal Anti-HNF4α	Santa Cruz Biotechnology	sc-6556	Dilution 1:200 (antibody used in the study)
Tween 20	Sigma-Aldrich	P5927	