

Materials List for:

***In Vivo* Alkaline Comet Assay and Enzyme-modified Alkaline Comet Assay for Measuring DNA Strand Breaks and Oxidative DNA Damage in Rat Liver**

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URL: <https://www.jove.com/video/53833>

DOI: [doi:10.3791/53833](https://doi.org/10.3791/53833)

Materials

Name	Company	Catalog Number	Comments
Coverslips (No. 1, 24 x 50 mm)	Fisher	12-544-14	
Microscope Slides	Fisher	12-550-123	
Dimethylsulfoxide (DMSO)	Fisher	67-68-5	
EDTA, Disodium	Fisher	BP120-1	
Phosphate buffered saline	Fisher	ICN1860454	
1x Hanks Balanced Salt Solution (HBSS) (Ca ²⁺ , Mg ²⁺ free)	HyClone	SH30588.02	
HEPES	Fisher	BP310-1	
Low Melting Point Agarose (LMP)	Lonza	50081	NuSieve GTG Agarose
Normal Melting Agarose (NMA)	Fisher	BP1356-100	
pH testing paper strips (pH 7.5-14)	Fisher	M95873	
Potassium Chloride	Fisher	7447-40-7	
Potassium Hydroxide	Fisher	1310-58-3	
slide labels (0.94 x 0.5 in.)	Fisher	NC9822036	
Sodium Chloride (NaCl)	Fisher	7647-14-5	
Sodium Hydroxide (NaOH)	Fisher	1310-73-2	
SYBR™ Gold	Invitrogen	S11494	
Triton X-100	Fisher	9002-93-1	
Trizma Base	Fisher	77-86-1	
2.0 ml microcentrifuge tubes	Fisher	05-402-6	
Cell strainer (40 µm)	Fisher	22363547	
Endonuclease III (Nth)	New England Biolabs	M0268S	Dilution 1:1,000
hOGG1	New England Biolabs	M0241S	Dilution 1:1,000