

Materials List for:

Novel Whole-tissue Quantitative Assay of Nitric Oxide Levels in *Drosophila* Neuroinflammatory Response

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URL: <https://www.jove.com/video/50892>

DOI: [doi:10.3791/50892](https://doi.org/10.3791/50892)

Materials

Name	Company	Catalog Number	Comments
Feeding Chambers			
Empty <i>Drosophila</i> vial	Genesee Scientific	#32-116	
Absorbent cotton			Any standard product can be used.
Filter paper	Fisher	#09-802-1B	
Paraquat exposure			
Sucrose	Sigma-Aldrich	#S0389	
Paraquat (methyl viologen dichloride hydrate)	Sigma-Aldrich	#856177	Toxic. Handle with Care and within MSDS guidelines
L-NAME (<i>N</i> -Nitro-L-arginine methyl ester hydrochloride)	Sigma-Aldrich	#N5751	
D-NAME (<i>N</i> -Nitro-D-arginine methyl ester hydrochloride)	Sigma-Aldrich	#N4770	
Dissecting Adult Fly Brains and Incubation			
Grace's Insect Medium	Invitrogen	#11605-094	Grace's Medium may also be substituted for Sf-900 II SFM or Sf-900 III SFM Medium for higher lot-to-lot consistency.
96-well plate	Corning	#3596	Any standard product can be used.
Microscope slide			Any standard product can be used.
Surgical blade	Feather	#0197	Any standard product can be used.
Medical Tweezers 5	Dumont	EMS #72877-D	Any standard product can be used.
10x PBS buffer	OmniPur	#6508	
Detection of Nitrite Levels			
Modified Griess reagent	Sigma-Aldrich	#4410	
Sodium nitrite	Sigma-Aldrich	#S2252 or #237213	
Protein Assay Kit	Bio-Rad	500-0001	
Cuvettes			Any standard product can be used.
Nitrate reductase			optional
NADPH			optional
Western Blot Analysis			
RIPA lysis buffer	Amresco	97063-270	
dithiothreitol (DTT)- Reducing agent	Novex	B0009	
Protease inhibitor cocktail	Amresco	97063-082	
4x LDS sample buffer	Novex	B0007	
Precast 4-12% Bis-Tris minigel	Novex	BG04125BOX	

MOPS SDS running buffer	Novex	B0001	
Antioxidant	NuPage	NP0005	
iBlot Transfer Stacks (Nitrocellulose)	Invitrogen	IB301002	
Western blot detection kit	Invitrogen	IB711002	
Mouse α -nNOS	BD Biosciences	611853	
Mouse α -syntaxin	DSHB	8C3	