

Materials List for:

Imaging Intracellular Ca²⁺ Signals in Striatal Astrocytes from Adult Mice Using Genetically-encoded Calcium Indicators

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Materials

Name	Company	Catalog Number	Comments
Syringe Pump	Harvard Apparatus	704506	
Glass Capillaries	World Precision Instruments	1B100-4	
Micropipette puller	Narishige	PC-10	
Micropipette grinder	Narishige	EG-40	
pZac2.1 GfaABC ₁ D.cyto-GCaMP3	Addgene	44331	a plasmid sent to UPenn Vector Core for virus packaging
1 ml syringe	BD	309628	
syringe needle	BD	305109	
AAV2/5 virus	UPenn vector core	NA	
Sudan red IV	Sigma-Aldrich	67386	
Mineral oil	CVS Pharmacy	152355	
Cryostat	Leica	CM3050 S	
Stereotaxic instrument	David Kopf Instruments	900LS	
High Speed Rotary Micromotor Kit	FOREDOM	K.1070	
Paraformaldehyde	Santa cruz biotechnology	sc-281692	
Super Glue	Krazy@Glue	KG925	
Microslicer	Ted Pella	DTK-Zero 1	
Confocal microscopes	Olympus	FV300 and FV1000	
Normal goat serum	Vector	S-1000	
chicken anti-GFP	Abcam	ab13970	
mouse anti-s100β	Sigma-Aldrich	S2532	
mouse anti-NeuN	Millipore	MAB377	
mouse anti-glutamine synthetase	Millipore	MAB302	
goat anti-mouse-Alexa546	Invitrogen	A11003	
goat anti-chicken-Alexa488	Invitrogen	A11039	
Microscope Slides	Fisher Scientific	12-550-15	
Cover Glass	Fisher Scientific	12-548-5J	
Mounting Medium	Vector	H-1000	