

Materials List for:

Combining Quantitative Food-intake Assays and Forcibly Activating Neurons to Study Appetite in *Drosophila*

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Materials

Name	Company	Catalog Number	Comments
UAS-CsChrimson	Bloominton	55135	
UAS-dTrpA1	Bloominton	26263	
TDC1-GAL4	Bloominton	9312	
TDC2-GAL4	Bloominton	9313	
sNPF-GAL4			Provided by Z. Zhao
NPF-GAL4			Provided by Y. Rao
TH-GAL4			Provided by Y. Rao
5-HT-GAL4			Provided by Y. Rao
AKH-GAL4			Provided by Y. Rao
dip2-GAL4			Provided by Y. Rao
Taotie-GAL4			Provided by J. Carlson
Agarose	Biowest	G-10	
Sucrose	Sigma	S7903	
Erioglaucine disodium salt	Sigma	861146	
all-trans-retinal	Sigma	R2500	stored in darkness
Triton X-100	Amresco	9002-93-01	
Fly food		1 L food contains: 77.7 g corn meal, 32.19 g yeast, 5 g agar, 0.726 g CaCl ₂ , 31.62 g sucrose, 63.2 g glucose, 2 g potassium sorbate, pH	
1x PBS buffer		1 L 1X PBS contains: 8 g NaCl, 0.2 g KCl, 1.44 g Na ₂ HPO ₄ , 0.24 g KH ₂ PO ₄ , pH 7.4	
PBST buffer		1X PBS with 1% Triton X-100	
Grinding mill	Shang Hai Jing Xin	Tissuelyser-24	
Incubator	Ning Bo Jiang Nan	HWS-80	
Magnetic stirrer with a heat plate	Chang Zhou Bo Yuan	CJJ 78-1	
Spectrometer	Thorlabs	CCS200/M	
Microplate Spectrophotometer	Thermo Scientific	Multiskan GO Type: 1510, REF 51119200	
Fluorescence stereo microscope	Leica	M205FA	
Stereo microscope	Leica	S6E	

Outside container	Jiang Su Hai Men	glass vial with a diameter of 31.8 mm and a height of 80 mm (inside dimension)	
Inside container	Beijing Yi Ran machinery factory	plastic dish with a diameter of 13.6 mm and a height of 7.5 mm (inside dimension)	
1.5 mL Eppendorf tubes	Hai Men Ning Mong		
96 well plate	Corning Incorporated	Costar 3599	
LEDs	Xin Xing Yuan Guangdian	607 nm, 3W	https://item.taobao.com/item.htm?id=20158878058