

Materials List for:

Functional Interrogation of Adult Hypothalamic Neurogenesis with Focal Radiological Inhibition

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Materials

Name	Company	Catalog Number	Comments
SARRP research platform	Xstrahl	RS225A	http://www.xstrahl.com/xstrahls225.htm
SARRP irradiation bunker	Xstrahl		Optional, but radiation exposure should be contained with alternative lead shielding
GAF chromic film	IPS	GAFchromic ETB2	
Mouse phantom	Gammex	457	Purchase 0.5 cm x 30 cm x 30 cm solid water slabs from Gammex and cut to desired size.
Mouse anti-phospho-histone H2AX Ser139 antibody	Millipore, Inc.	05-636	clone JBW301
High-fat rodent diet	Research Diets	D12492i	60% of the calories as fat, food should be irradiated
Isoflurane	Baxter Healthcare Corporation	10019-360-40	
0.01 M Sodium citrate	Fisher Scientific		1.471 g of sodium citrate dissolved in 500 ml deionized water
Superfrost Plus slides	Fisher Scientific	12-550-15	
DAPI	Fisher Scientific		nuclear counterstain
Mounting medium	Fisher Scientific		Vectashield or Gelvatol is preferred