

Recipes & Reagents Reference

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Base RIPA Buffer

Lysis Buffers



From: Western Blot protocol

Volume: 100 mL Storage: 4°C for up to 6 months

Strong RIPA Buffer

Lysis Buffers



From: Western Blot protocol

Volume: 100 mL Storage: 4°C for up to 6 months

25X Protease Inhibitor Stock

Lysis Buffers



From: Western Blot protocol

Volume: 4-8 mL Storage: -20°C for 1 year (aliquoted)

20X Phosphatase Inhibitor Stock

Lysis Buffers



From: Western Blot protocol

Volume: 1 mL Storage: -20°C for 1 year (aliquoted)

10X Tris-Glycine-SDS Running Buffer

Electrophoresis



From: Western Blot protocol

Volume: 1 L Storage: Room temperature indefinitely

5X SDS Loading Dye (with β -mercaptoethanol)

Electrophoresis



From: Western Blot protocol

Volume: 10 mL Storage: -20°C for 6 months (without β ME); add β ME fresh

Transfer Buffer (Towbin)

Transfer & Blocking



From: Western Blot protocol

Volume: 1 L Storage: 4°C for 1 month

10X Tris-Buffered Saline with Tween (TBS-T)

Transfer & Blocking



From: Western Blot protocol

Volume: 1 L Storage: Room temperature for 6 months

5% Milk Blocking Buffer

Transfer & Blocking



From: Western Blot protocol

Volume: 50 mL Storage: 4°C for 1 week

5% BSA Blocking Buffer

Transfer & Blocking



From: Western Blot protocol

Volume: 50 mL Storage: 4°C for 1 week

PCR Master Mix (Genotyping)

PCR & Molecular



From: Mouse Genotyping protocol

Volume: Per reaction (25 µL) Storage: Make fresh; keep on ice

50X TAE Buffer

PCR & Molecular



From: Mouse Genotyping protocol

Volume: 1 L Storage: Room temperature indefinitely

Complete Growth Medium (DMEM)

Cell Culture Media



From: Cell Culture protocol

Volume: 500 mL Storage: 4°C for 1 month

Neurosphere Media (Neural Progenitors)

Cell Culture Media



From: Neural Progenitor Culture protocol

Volume: 50 mL Storage: 4°C for 2 weeks

Serum Free Media (DMEM/F12-based)

Cell Culture Media



From: Neural Progenitor Culture protocol

Volume: 50 mL Storage: 4°C for 2 weeks

Astrocyte Culture Medium

Cell Culture Media



From: Astrocyte Isolation protocol

Volume: 500 mL Storage: 4°C for 1 month

Perfusion Buffer 1 (EGTA)

Perfusion Buffers



From: Hepatocyte Isolation protocol

Volume: 500 mL Storage: 4°C for 1 week

Perfusion Buffer 2 (Liberase)

Perfusion Buffers



From: Hepatocyte Isolation protocol

Volume: 50 mL Storage: Make fresh

Hematoxylin Solution (Harris)

Staining Solutions



From: H&E Staining protocol

Volume: Purchase ready-made Storage: Room temperature

Eosin Y Solution

Staining Solutions



From: H&E Staining protocol

Volume: 500 mL Storage: Room temperature indefinitely

BODIPY 493/503 Stock Solution

Staining Solutions



From: BODIPY Staining protocol

Volume: 1 mL Storage: -20°C protected from light

Citrate Antigen Retrieval Buffer

Staining Solutions



From: Immunohistochemistry protocol

Volume: 1 L Storage: Room temperature for 1 month

DAB Substrate Solution

Staining Solutions



From: Immunohistochemistry protocol

Volume: 10 mL Storage: Make fresh

cDNA Synthesis Master Mix (per 20 μ L reaction)

PCR & Molecular



From: RNA Isolation and cDNA Synthesis protocol

Volume: 10 μ L (per reaction) Storage: Make fresh on ice

100mM PMSF Stock

Lysis Buffers



From: Western Blot protocol

Volume: 10 mL Storage: -20°C for 6 months (light-sensitive)

1M DTT Stock

Lysis Buffers



From: Western Blot protocol

Volume: 1 mL Storage: -20°C for 1 year (aliquoted)

200mM Sodium Orthovanadate (Activated)

Lysis Buffers



From: Western Blot protocol

Volume: 50 mL Storage: -20°C (aliquoted)

10X APS (Ammonium Persulfate)

Electrophoresis



From: Western Blot protocol

Volume: 10 mL Storage: 4°C for 1 month

Ponceau S Stain

Transfer & Blocking



From: Western Blot protocol

Volume: 100 mL Storage: Room temperature indefinitely (reusable)

Tail Digestion Buffer

PCR & Molecular



From: Mouse Genotyping protocol

Volume: 500 mL Storage: Room temperature indefinitely

10mg/mL Proteinase K Stock

PCR & Molecular



From: Mouse Genotyping protocol

Volume: 5 mL Storage: -20°C (aliquoted)

10X Agarose Gel Sample Buffer (BB + XC)

PCR & Molecular



From: Mouse Genotyping protocol

Volume: 5 mL Storage: 4°C indefinitely

10X PCR Buffer (KCl-based)

PCR & Molecular



From: Mouse Genotyping protocol

Volume: 36 mL Storage: -20°C (aliquoted)

EGF Stock (10 µg/mL)

Cell Culture Media



From: Neural Progenitor Culture protocol

Volume: 10 mL Storage: -80°C (aliquoted)

hbFGF Stock (10 µg/mL)

Cell Culture Media



From: Neural Progenitor Culture protocol

Volume: 2.5 mL Storage: -80°C (aliquoted)

Polybrene Stock (800 µg/mL)

Cell Culture Media



From: Lentivirus Production protocol

Volume: 20 mL Storage: -20°C (aliquoted)

Puromycin Stock (1 mg/mL)

Cell Culture Media



From: Lentivirus Production protocol

Volume: 3 mL Storage: -20°C (aliquoted)

4% Paraformaldehyde (PFA)

Staining Solutions




From: H&E / IF / IHC protocol

Volume: 300 mL Storage: 4°C for 1 week

Consolidated recipes from Dasgupta Lab protocols

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