

Materials List for:

Telomerase Activity in the Various Regions of Mouse Brain: Non-Radioactive Telomerase Repeat Amplification Protocol (TRAP) Assay

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Materials

Name	Company	Catalog Number	Comments
TRAP Mix (10x)			Made manually, mix the following in UPW: 630 mM KCl, 200 mM Tris-HCl pH 8.2, 10 mM EDTA, 15 mM MgCl ₂ , 1 mg/ml BSA, 0.5% TWEEN (purchased from Sigma). Aliquots are frozen at -20 °C.
Ringer's solution			Made manually, mix the following in DDW: 124 mM NaCl, 3 mM KCl, 1.25 mM NaH ₂ PO ₄ ·H ₂ O, 2 mM MgSO ₄ , 26 mM NaHCO ₃ , 1.802 g/L D-(+)-glucose anhydrous.
Isoflurane	Minrad INC.	NDC 60307-110-10	Handle with care in a chemical hood
dNTPs (10 mM)	Sigma	D7295	
TS primer (5'-AATCCGTCGAGCAGAGTT-3')	Sigma		DNA oligos orderd in DRY format and UPW added according to requierd concentration
ACX primer (5'-GCGCGGCTTACCCTTACCCTTACCCTAACC-3')	Sigma		DNA oligos orderd in DRY format and UPW added according to requierd concentration
Titanium Taq Polymerase/Buffer	Clontech	S1792/S1793	
High Resolution agarose	Sigma	A4718	Any high quality high-resolution agarose may be sutible
Mini-gel apparatus	Bio-Rad	170-4466	
Nucleic Acid Stain (GEL-RED)	Biotium	41003	
IC primer (5'-ATCGCTTCTCGGCCTTTT-3')	Sigma		DNA oligos orderd in DRY format and UPW added according to requierd concentration
CHAPS lysis buffer	Cell Signaling Technology	9852S	Add PMSF (protease inhibitor) to a final concentration of 1 mM
Ultra Pure Water (UPW)	Biological Industries	01-866-1B	
CD-1 mice	HARLAN Laboratories INC.		