

Materials List for:

A Method for the Measurement of Salivary Gland Function in Mice

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Materials

Name	Company	Catalog Number	Comments
Chemicals for saliva collection			
Pilocarpine hydrochloride	Alfa Aesar, Tewksbury, MA, USA	B21410	Dilute in sterile isotonic saline. Store single use aliquots of 100X stock at -80°C
Anesthesia Mix solution			
Zetamine (Ketamine hydrochloride)	Vet One, Boise, Idaho, USA	C3N VT1	Stock is 100 mg/mL
Anased (Xylazine)	Med-Vet International, Mettawa, IL, USA	RXANASED-20	Stock is 20 mg/mL
Isotonic sterile saline	Vet One, Boise, Idaho, USA	501032	Used as diluent
Artificial tears (lubricant ophthalmic ointment)	Henry Schien, Dublin, OH, USA	48272	Used to prevent eyes from drying during the procedure
Materials for saliva collection			
SalivaBio Children's swab	Salimetrics, LLC Carlsbad, CA, USA	N/A	Individually wrapped swabs
50 mL polypropylene tubes	VWR, Radnor, PA, USA	89004-364	Cut off the bottom 1 cm of the tube. Make sure that the cut edge is smooth.
Microcentrifuge tubes 0.6 mL	VWR, Radnor, PA, USA	87003-290	Make holes in the bottom of tube with heated 18 gauge needles
Microcentrifuge tubes 2 mL	VWR, Radnor, PA, USA	87003-298	
Insulin Syringes with permanently attached needles	Becton Dickinson and Company, Franklin Lakes, NJ, USA	324702	
18 gauge regular bevel needles	Becton Dickinson and Company, Franklin Lakes, NJ, USA	305195	
Sterile scalpel blade #11	Integra York Inc PA, USA	4-311	
Microdissecting forceps	Roboz, Gaithersburg, MD, USA	RS-5139	Serrated angular 0.8 mm tip, 4" length
Label tape	Santa Cruz Biotechnology, Dallas, TX, USA	sc-224487	
3 channel timer	Amazon.com, Seattle, WA, USA	B06W2KCYVN	
Analytical Balance	Mettler Toledo, Columbus OH, USA		
Chemicals/ reagents for inducing salivary dysfunction			

LPS	Invivogen, San Deigo, CA, USA	ttrl-b5lps	Dissolve in endotoxin free water, and store stock solution at 5 mg/mL . dilute in sterile HBSS 100 ug/mL - inject 100 uL/ moue ip
Imject Alum adjuvant	Thermo Scientific	77161	Dilute 1:1 in sterile saline. Inject intraperitoneally 0.1 mL/mouse
Rabbit anti-Ro52 antiserum	Generated in lab		Immunization of rabbits with recombinant mouse Ro52
Name	Company	Catalog Number	Comments
Chemicals/ Kits for saliva analyses			
Salivary lysozyme estimation			
EnzChek Lysozyme Assay Kit	Molecular Probes, Eugene, OR, USA	E-22013	Used as per manufacturer's instructions
Name	Company	Catalog Number	Comments
Salivary IgA estimation by sandwich ELISA			
Mouse IgA	Southern Biotech, Birmingham, AL, USA	0106-01	Standards for sandwich ELISA - range 30 ng/mL to 0.5 ng/mL
Goat anti- mouse IgA unlabeled	Southern Biotech, Birmingham, AL, USA	1040-01	Coat at 1 ug/mL in bicarbonate buffer
Goat anti- mouse IgA HRP	Southern Biotech, Birmingham, AL, USA	1040-05	Detection antibody used at 1:4000 dilution
TMB substrate	Becton Dickinson and Company, Franklin Lakes, NJ, USA	555214	Used as per manufacturer's instructions
Immulon 4HBX Microtiter 96 well plates	Thermo Scientific, Rochester, NY, USA	3855	
Name	Company	Catalog Number	Comments
Salivary protein estimation			
Bio-Rad Protein Assay Dye Reagent Concentrate	BioRad, Hercules, CA, USA	5000006	For protein estimation as per manufacturer's instructions