

Materials List for

# Using a Murine Model of Psychosocial Stress in Pregnancy as a Translationally Relevant Paradigm for Psychiatric Disorders in Mothers and Infants

Sandra P. Zoubovsky<sup>1,2,3</sup>, Akil Wilder<sup>4</sup>, Louis Muglia<sup>1,2,3</sup>

<sup>1</sup>Molecular Developmental Biology Program, Cincinnati Children's Hospital Medical Center <sup>2</sup>Division of Human Genetics, Cincinnati Children's Hospital Medical Center <sup>3</sup>Department of Pediatrics, University of Cincinnati College of Medicine <sup>4</sup>Division of Veterinary Services, Cincinnati Children's Hospital Medical Center

## Corresponding Author

**Louis Muglia**  
louis.muglia@cchmc.org

## Citation

Zoubovsky, S.P., Wilder, A., Muglia, L. Using a Murine Model of Psychosocial Stress in Pregnancy as a Translationally Relevant Paradigm for Psychiatric Disorders in Mothers and Infants. *J. Vis. Exp.* (172), e62464, doi:10.3791/62464 (2021).

## Date Published

June 13, 2021

## DOI

10.3791/62464

## URL

jove.com/video/62464

## Materials

Name	Company	Catalog Number	Comments
Animal lancet	Braintree Scientific Inc.	GR4MM	
Blunt end probe	Fine Science Tools	10088-15	Used to check for copulatory plugs
Bottles for SPT	Braintree Scientific Inc.	WTRBTL S-BL	100 mL glass water bottle with stopper and sipper ball point tube, graduated by 1 mL.
Conical tubes (50 mL)	Corning Inc.	352098	Used for restraining mice to measure HPA axis response to acute stress. Make sure conical tube has small opening at the end for ventilation.
Legos	Amazon	-	
Marbles	Amazon	-	
Mouse Corticosterone ELISA kit	Biovendor	RTC002R	
Mouse EZM	TSE Systems	-	
Reciprocal laboratory shaker	Labnet international	S2030-RC-B	
Serum separator tubes	Becton Dickinson	365967	
Static cage- bottom	Alternative Design Manufacturing and Supply Inc.	RC71D-PC	
Static cage - filtered ventilated tops	Alternative Design Manufacturing and Supply Inc.	FT71H-PC	