



Juvenile (Pups; Postnatal Days 17-24) Vessel Painting and Perfusion Experimental DataSheet

SID# or RapID#	TAT#:	AO/PT#:	EXPERIMENTER: DATE:
SEX: M / F			
GENOTYPE:	EXPERIMENTAL GROUP: sham <input type="checkbox"/> /sCHI <input type="checkbox"/> /rCHI <input type="checkbox"/>		
WEIGHT (G):			
A) ANESTHESIA			C) PERFUSION
Air Flow rate: 1.5L/min Isoflurane: 3%			2% Evans Blue (in Sterile Saline) – (IP) volume: 3 μ L/g (60mg/kg) = 21-54 μ L (If applicable) at least 2 hours before perfusion. EB Injected: Y / N Volume Injected: _____
B) SOLUTIONS			SNP+Heparin (IP) volume: <ul style="list-style-type: none"> 0.01mL SNP (of a 0.735 mg/mL SNP concentrate) If mouse weight is < 10g use <u>0.01mL Heparin</u> (from 1,000 units/mL concentrate). If mouse weight is 10-18g, use <u>0.02mL Heparin</u>
<ul style="list-style-type: none"> 4% PFA in 1X PBS (pH 7.4) Date prepared: _____ Prepared by (Initials): _____			Pump: GP1000 Setting: 4 = 6.3 mL/min Perfusion parameters: 1X PBS perfusion for 2 minutes 4% PFA in 1X PBS for 3 minutes 20 seconds Total perfusion volume: 1X PBS: 8 mL 4% PFA: 16 mL
<ul style="list-style-type: none"> 1X PBS (pH 7.4) Date prepared: _____ Prepared by (Initials): _____			
<ul style="list-style-type: none"> SNP Date prepared: _____ Prepared by (Initials): _____			
<ul style="list-style-type: none"> Diluent Date prepared: _____ Prepared by (Initials): _____			
D) VP Administration – Pup			Dye Used (Circle one)
Pup (<10g): VP 25 μ L dye + 225 μ L diluent. Pup (10g-18g): VP 37.5 μ L dye + 337.5 μ L diluent			Dil / DiO / DiD
Stock Dye made by: _____ Date of stock preparation: _____ Aliquot #: _____			
If applicable – E) Blood collection			
Blood sample collected (mL) _____			
Plasma sample (μ L) _____			
Notes:			
Liver clear: Y / N Animal Stiff? Y / N Was Heart Mechanically Compressed: Y / N Animal Blue (if Evans Blue was injected): Y / N			
Post-Perfusion Notes: PFA Post-fix (1day?) Y / N PBS washes: 3 consecutive days? Y / N In 0.02% Sodium Azide/PBS? Y / N			