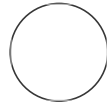🌐 Set Shifting ASAP Operant Behavior_LernerLab V.1

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ABSTRACT

Protocol for set shifting task used by the Lerner Lab for ASAP work

MATERIALS

Med Associates operant chambers

VERSION 1

OCT 17, 2023

Protocol Citation: jillian.seiler 2023. Set Shifting ASAP Operant Behavior_LernerLab. **protocols.io**
https://protocols.io/view/set-shifting-asap-operant-behavior-lernerlab-c3hcyj2w

Protocol status: Working
We use this protocol and it's working

Created: Oct 16, 2023

Last Modified: Oct 17, 2023

PROTOCOL integer ID: 89348

Magazine Training

1   Food restrict animals overnight prior to beginning magazine training. For the remainder of training animals should be restricted to 85% of their free feeding weight.

2   Connect 20 mL syringe with >10 mLs of 1:3 diluted sweetened condensed milk. Add ~15 inches of tubing with tubing adapter to syringe. Load in pump, attach to reward port. Prime pump.

3   Place animals in operant box with dummy patch cords attached and allow ~5 minutes to habituate

4   Load JN_ASAP_A_MagTraining_30min into MED-PC and start program. The script for the program is attached as a comment. The overview is as follows:

  4.1   House light, fan, corner lights, and cue lights above the left and right nosepoke ports are turned on.

  4.2   On average, every 60 seconds a noncontigent reward is delivered

  4.3   The animal must consume the reward (or make a port entry) in order for the next reward to be delivered

  4.4   After 30 minutes, the program ends

5   This program occurs once, regardless of performance

6   After animal has finished, record weight, return to homecage and clean operant chamber tray with 70% ethanol

7   Flush reward port and tubing with ethanol and hang to dry

8   Store any remaining sweetened condensed milk in refrigerator

FR1 Both

9   Repeat steps 2+3 ⮐ go to step #2

10   Load JN_ASAP_B_FR1_BOTH and start program. The script for the program is attached as a comment. The overview is as follows:

10.1   Fan and Near-Infrared Lights are turned on