

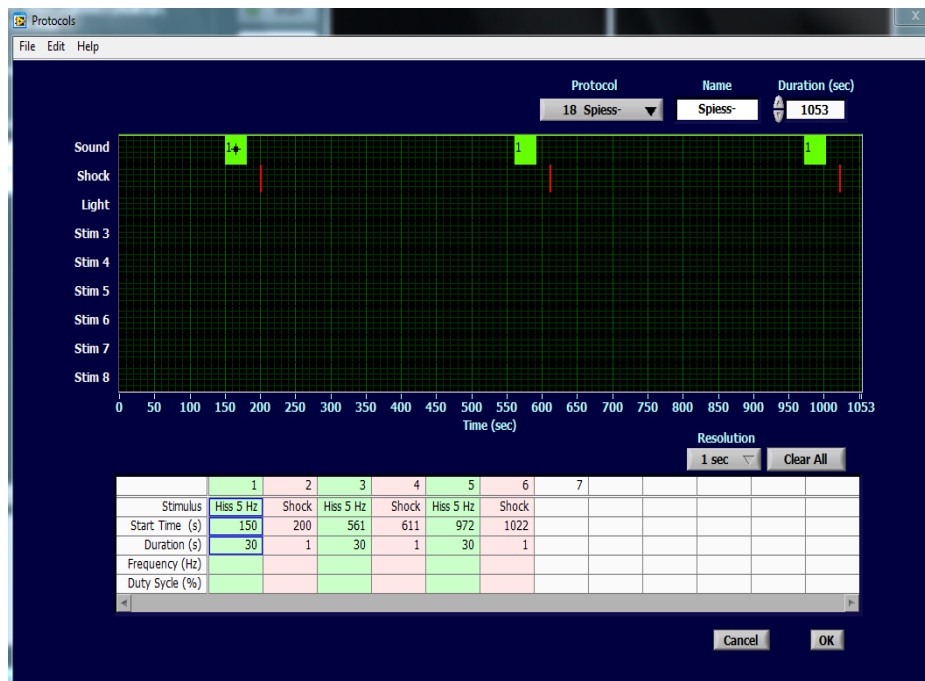


Trace Fear Conditioning

Freeze Frame -> Recorder -> Create a data file

Training (Day 1)

- Allow 15-60 minutes for animal room acclimation
- Yellow gown, mask and blue gloves
- Room lights are on
- Yellow light on in chambers
- Blinds on the clear side of chamber down
- Calibrate tone to 75 dB using 5 Hz Hiss protocol; **No animal in room during sound calibration**
- Set up shock box
 - Set on test mode
 - Hold on manual to adjust mA to 0.7 mA (scale is on the bottom row)
 - Set on Remote
 - Manual High
 - Set on subject
- Wipe fear cages/waste tray with 70% EtOH right before start and in between animals
- Run shock protocol to ensure shock is going through (light is on)
 - This dummy trial will also help you avoid continuously shocking the animal Discard it, reference frame and then you are ready to put your animal in and start the protocol.
 - If no shock goes through make sure all the wires are securely plugged in
- Run Protocol Spiess-Farley3x - Trace; Duration: 1053 seconds



- Remove your mice first and then close out of your program (to not get shocked!)



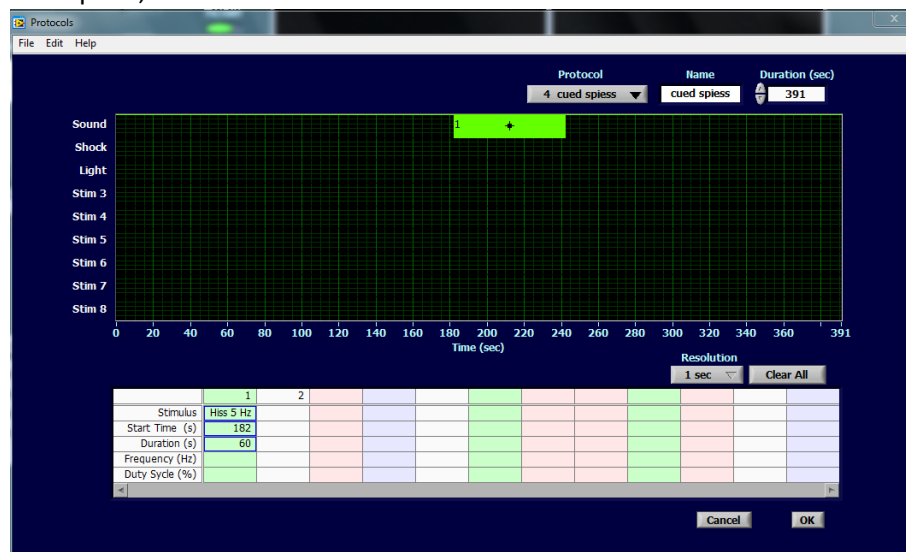
- Turn off and unplug before cleaning fear chamber.

Context Test (Day 2)

- Perform early in day around same time as previous day
- Room lights are on
- Yellow gown, mask and blue gloves
- Protocol Context, 300 seconds
 - No tone/shock
- Yellow light on in chambers
- Drapes on the clear side down
- Wipe fear cages/waste tray with 70% EtOH right before start and in between animals

Cue Test (Day 2, at least 2-3 hours later)

- White lab coat, mask, blue gloves, bouffant cap
- Room lights off
- Turn on the red lights that are located in the room
- Red lights on in chambers
- Drapes are up on both sides in the chamber
- Rat cages in large OF box (spigot on right side of 1st and 3rd chambers and left on 2nd and 4th chambers)
- Cover animal cages with yellow gown before entering them into room
- Calibrate the CS with 5 Hz Hiss protocol; **No animal in room during sound calibration**
 - Sound calibrated to 75 dB
- Wipe rat cages with Windex before start and in between animals
- Protocol Cued-Spiess, duration: 391 seconds



- Clean up and return equipment