

Protocol Section 2.1: Create an experiment and enter the protocol into the software

2.1.1-2.1.3 “File”, “New Experiment” or “Set up”, “Experimental protocol” (default “EMC protocol”).

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File **Setup** Acquisition Analysis Help

Experiment Protocol

Select experiment protocol: EMC protocol **New...** 2.1.5

Experiment Protocol: Add Session Session Protocols:

2.1.4

| Session | Session Protocol | EMC Unperturbed Session | EMC Perturbed Session |
|-----------|-------------------------|------------------------------|-----------------------|
| Session 1 | EMC Unperturbed Session | Number of trials | 42 |
| Session 2 | EMC Unperturbed Session | Resting state interval (ms) | 15000 |
| Session 3 | EMC Unperturbed Session | Interval randomization (+/-) | 5000 |
| Session 4 | EMC Unperturbed Session | Interval slope (ms) | 0 |
| Session 5 | EMC Perturbed Session | Trial protocol | 1 Default CS-only |
| Session 6 | EMC Perturbed Session | | 2 Default Paired |
| Session 7 | EMC Perturbed Session | | 3 Default Paired |
| Session 8 | EMC Perturbed Session | | 4 Default US-only |
| | | | 5 Default Paired |
| | | | 6 Default Paired |

New Session Protocol

Copy from: EMC Unperturbed Session

From scratch

Protocol name:

OK Cancel

Trial Protocols:

| | Default | US-only | CS-only | Paired |
|-------------------------|---------|---------|---------|--------|
| Light cue | Yes | Yes | Yes | Yes |
| Light max duration (ms) | 3000 | 3000 | 3000 | 3000 |
| Air cue | Yes | Yes | Yes | Yes |
| Air max duration (s) | 45 | 45 | 45 | 45 |
| Tail wind | Yes | Yes | Yes | Yes |
| Tone cue | No | No | Yes | Yes |
| Tone duration (ms) | 0 | 0 | 250 | 250 |
| Perturbation | No | Yes | No | Yes |

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Session List

Add Subject & Variables... Edit Subject & Variables... Delete Subject...

2.1.6

2.1.7

| Session | M | Status | Acquired Trials | Date Acquired |
|---------|---|--------|-----------------|---------------|
| | | | | |

Add Subject & Variables

Independent variables:

| Variable | Value |
|------------------|--------------|
| Mouse Identifier | <enter> |
| Birth Date | <dd-mm-yyyy> |
| Sex | <select> |

Add... Edit Delete

2.1.8