

Protocol: Promethion Metabolic Cage – Ending a Run

Date of revision: 2/8/17

Revised by: J. Neal

Originator: L. Robinson

ENDING A RUN AND ANALYZING DATA

1. Click the STOP button to end the run and confirm choice. Refer to cleaning procedures for mouse cage cleaning instructions.
2. Open the Expedata software. A run will generate an .exp file.
3. Locate the file which you saved the previous week. File-→ Open the .exp file.

Important: make sure the 'type' of file selected is 'Expedata file' NOT 'Expedata Backup File'.

File is located at:

4. Double click on the file to load it. (note: there will be multiple files to run Macros on)
5. Run the .exp file through Macro 1 and macro 13.
 - a. Under the 'tools' tab at the top of the screen, select 'Macro Utility'
 - b. Next, click on 'macro', then 'open Macro collection'.
 - c. Locate and open macro file called 06092016_JAX_BP_fix.mac
 - d. Run macro1
 - e. Open macro collection file called UMC-10.1.6-mouse.mac
 - f. Select macro 1, and click the green "play" button to get it to crunch the data. This might take a while, a few minutes, so be patient. Macro 1 takes about 10 minutes, then automatically saves the file as the suffix "_m".
 - g. Then run on macro 13 by selecting macro 13 and pressing the green 'Play button'.
6. Macro 13 will create an excel spreadsheet. This may take a minute to open on the computer, it is a big file, be patient...

Shock Center Protocol

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7. After running macros on a file, add Animal ID info to the bottom of the excel file before saving

1145	07/17/2016 14:46:05	23.78625	23.85944	48.15463	46.35627	1.144628	1.61
1146	07/17/2016 14:51:05	24.1082	24.10047	47.60742	45.9128	1.105307	1.42
1147	07/17/2016 14:56:05	24.35117	24.28777	47.10039	45.59349	1.422215	1.36
1148	07/17/2016 15:01:05	24.49097	24.39776	46.98848	45.58612	1.174719	1.38
1149	07/17/2016 15:06:05	24.49913	24.423	47.11174	45.74273	1.245032	1.34
1150							
1151	Pen 1	DO-2D-0017					
1152	Pen 2	DO-2D-0018					
1153	Pen 3	DO-2D-0019					
1154	Pen 4	DO-2D-0020					
1155	Pen 5	DO-2D-0021					
1156	Pen 6	DO-2D-0022					
1157	Pen 7	DO-2D-0023					
1158	Pen 8	DO-2D-0024					
1159	Pen 9	DO-2D-0025					
1160	Pen 10	DO-2D-0026					
1161	Pen 11	DO-2D-0027					
1162	Pen 12	DO-2D-0028					
1163	Pen 13	DO-2D-0029					

8. Save the file with “_m13” at the end of the file.

Save all data (the raw data file, the m file, and the excel file (m13), in the following location:

9. Run Macros on second file (note: there will be a third file if the system stopped and had to be restarted over the course of the week).

After running macros on final .exp file, copy all files from:

to:

10. Close Metascreen.