

Marathon Muscles

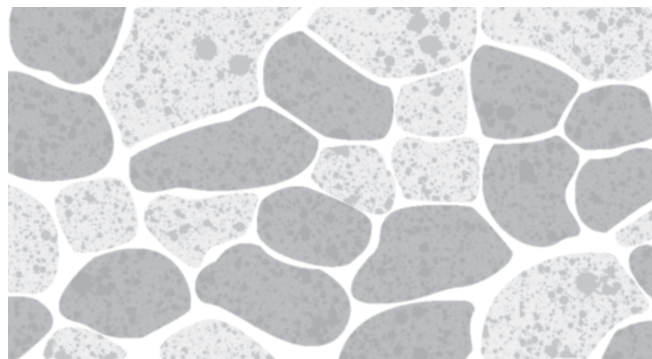
These images show cross sections of muscle cells from four mice used in a hypothetical experiment. The dark areas represent mitochondria-rich muscle cells. Photocopy this page, cut out the images, and insert them in envelopes as described in the procedure. If you plan to reuse the images, consider laminating them.

Here is a description of each image:

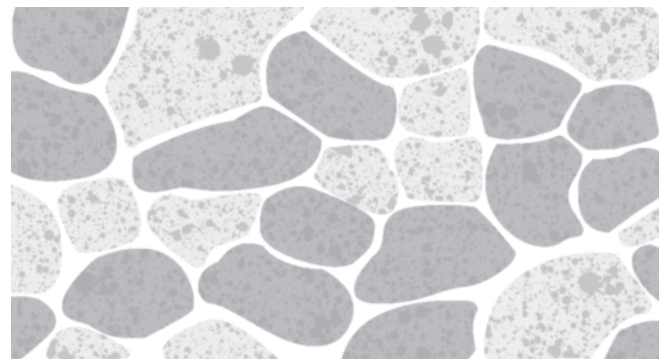
Mouse	Exercise	Drug	Change in the number of mitochondria-rich cells over the course of the experiment
1 (control)	None	No	No change
2	Daily	No	Significant increase
3	None	Yes (Drug X)	Significant increase
4	None	Yes (Drug Y)	No change



MOUSE 1



Mouse 1's muscle cells at the beginning of experiment



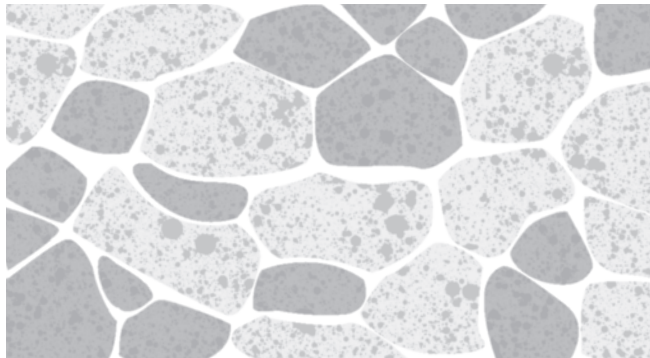
Mouse 1's muscle cells at the end of experiment

(The more mitochondria a muscle cell has, the darker it will be. Both images are magnified 40 times.)

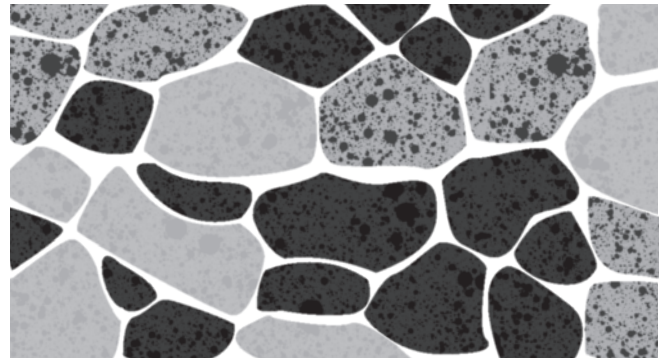




MOUSE 2



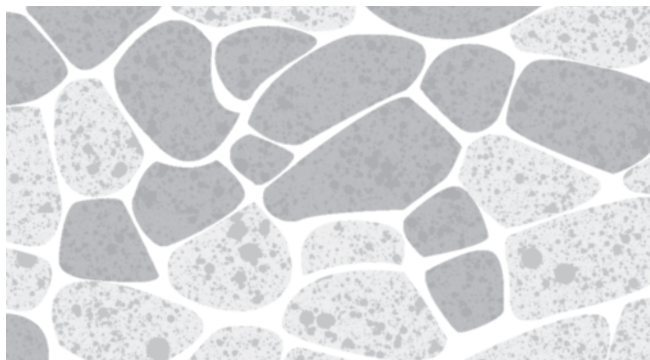
Mouse 2's muscle cells at the beginning of experiment
(The more mitochondria a muscle cell has, the darker it will be. Both images are magnified 40 times.)



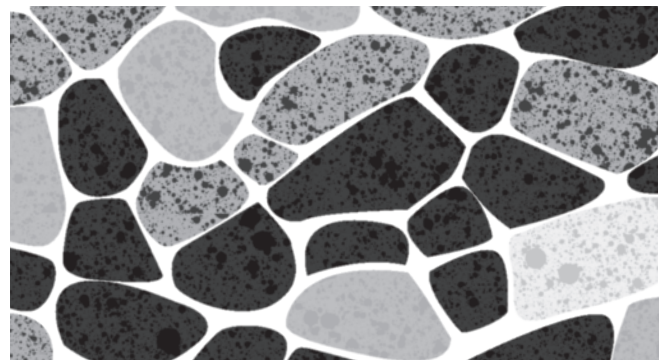
Mouse 2's muscle cells at the end of experiment



MOUSE 3



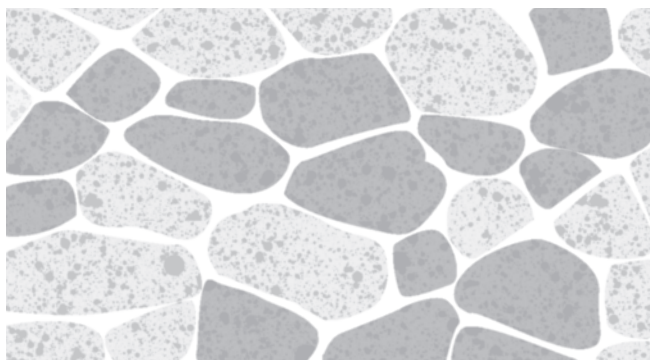
Mouse 3's muscle cells at the beginning of experiment
(The more mitochondria a muscle cell has, the darker it will be. Both images are magnified 40 times.)



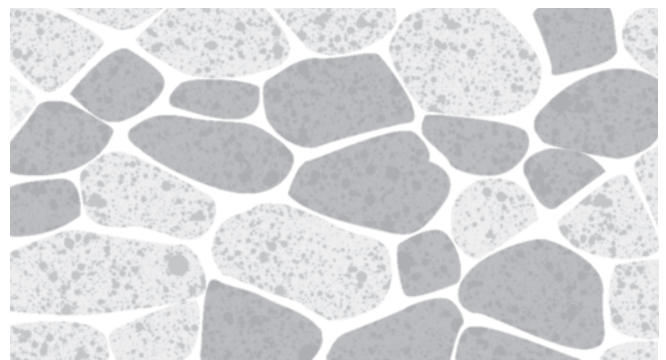
Mouse 3's muscle cells at the end of experiment



MOUSE 4



Mouse 4's muscle cells at the beginning of experiment
(The more mitochondria a muscle cell has, the darker it will be. Both images are magnified 40 times.)



Mouse 4's muscle cells at the end of experiment

