



SAFMEM-2B

Evaluation of the deleterious effects of new compounds on long-term spatial memory in rodents

Background

Some compounds can have adverse effects on long-term spatial memory. Drugs can be tested and screened for their deleterious effects using young adult rats (also possible in mice).

Assay principle

Animals are tested for their abilities to navigate through space. Analysis of the performances across days allows concluding on the property of a compound on long-term memory whereas the analysis of the performances within sessions gives information on the efficacy of the compound on working memory.

Assay Information

Biological models	Young adult male rats (2-4 months)
Methods	Water maze
Readouts	<ul style="list-style-type: none">• Ability to learn• Ability to remember• Behavioural flexibility
Turn around time	Depending on tests

Person in charge

Dr. Nora Abrous, PhD

Contact : [optopath « at » u-bordeaux.fr](mailto:optopath@u-bordeaux.fr)