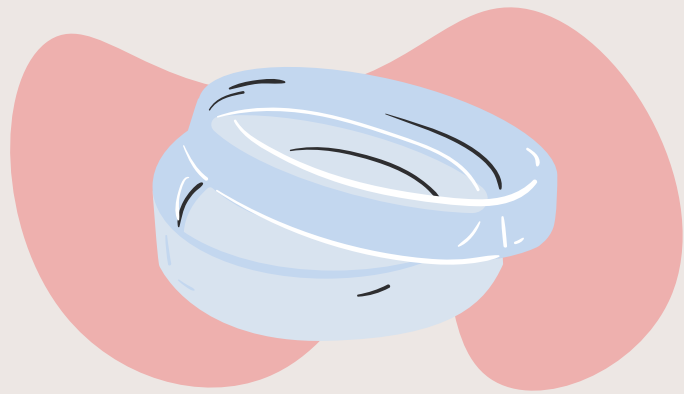


The 3 R's

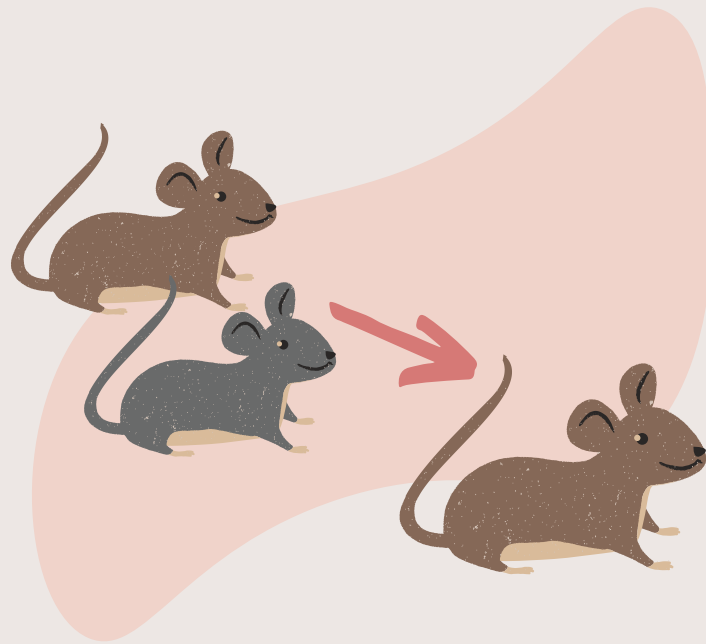
Steps to conduct ethical scientific research with animals

Replacement



Achieve research goals without using animals by replacing animal models with suitable non-animal alternatives

Reduction



Minimize the quantity of animals necessary to obtain the same results in an experiment

Refinement



Use practices that reduce animals' discomfort and stress, both during experiments and in their daily environment