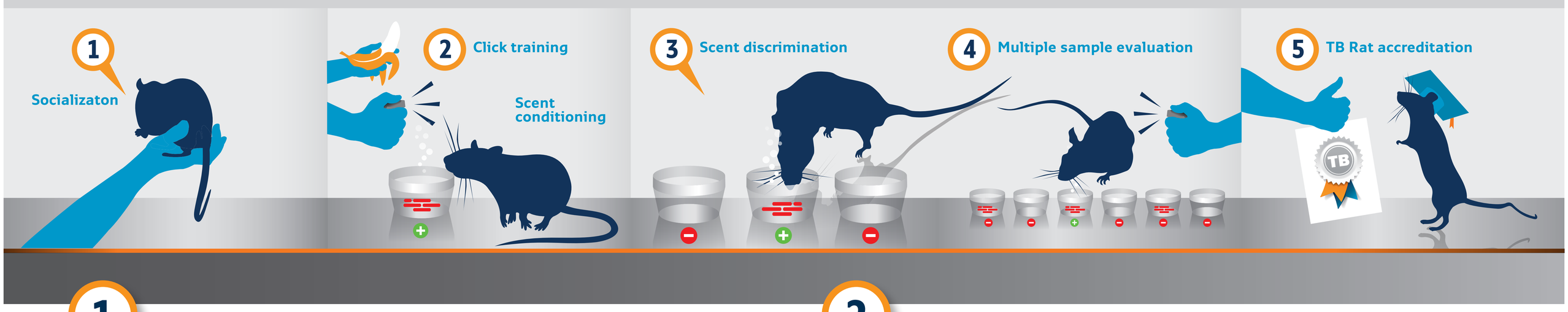
TUBERCULOSIS

DETECTION RATS TECHNOLOGY
apopo

TB DETECTION TRAINING



1 SOCIALIZATION

The 4-week old rats are trained to be at ease in their surroundings and with human interaction.

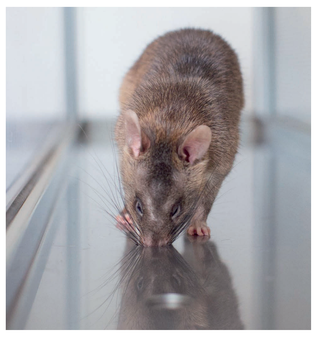
2 CLICK TRAINING AND SCENT TRAINING

The rats are trained to associate the sound of a click with food. Then they learn that if they go to a tea egg containing TNT they hear the click sound and receive the food.

3 THREE HOLES SCENT DISCRIMINATION

The three hole stage is the first stage where the rats begin to identify the target smell (a sample of TB). There is one hole with a positive sample and two holes with neutral samples.

4 MULTIPLE SAMPLE EVALUATION



The rat will move to a larger cage, which holds sample bars each with 10 samples placed under ‘sniffing holes’. In this training stage, the rat learns to evaluate large numbers of samples.

5 TB RAT ACCREDITATION

APOPO’s TB rats must pass an internal accreditation process before working under operational conditions. To become a HeroRAT, it must find every TB positive patient in the test sample base.

OPERATIONAL TB DETECTION RATS

- 11 in Maputo, Mozambique
- 33 in Morogoro, Tanzania

WE TRAIN RATS TO SAVE LIVES
Find out/Support us: www.apopo.org

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