

TUBERCULOSIS TB DETECTION



APOPO HAS DEVELOPED AN INNOVATIVE SCENT-DETECTION TECHNOLOGY USING GIANT AFRICAN POUCHED RATS AS AN INEXPENSIVE DIAGNOSTIC TOOL FOR TB.

1 PATIENT TESTED AT CLINIC



Suspected TB patients leave a sputum sample at the clinic, to be checked for TB by microscopy. In Tanzania, this method identifies less than half of the tested positive samples as truly positive due to limiting factors at the clinics.

2 SPUTUM SAMPLE COLLECTION



APOPO collects the samples from 21 collaborating TB clinics in Tanzania and 8 in Mozambique. When the samples arrive at APOPO they are de-activated to make safe for handling.

3 SCREENING BY RATS



APOPO HeroRATS evaluate the samples and pause for 3 seconds over the sample to make a positive indication. The sample is reconfirmed in the APOPO lab by LED microscopy.

4 PATIENTS TRACKED AND TREATED



APOPO reports the additional cases found back to the hospitals who then track back the patient to start treatment. Without treatment, a TB sufferer can potentially transmit the disease to up to 15 other people.



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

APOPO HQ and Training and Research Center
Sokoine University of Agriculture | Morogoro | Tanzania
+255 23 2600 635 | apopo@apopo.org