



GETXENT TUBES

USER GUIDE

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INTRODUCTION

The Getxent tube is the only training aid available on the market to train safely your detection dog in real conditions. Indeed, the Getxent tube absorbs ALL odor molecules from any target odor. Thanks to this product, the dogs can be trained to detect anything which has an odor in a public setting.

The patented technology (WO2018206808) is based on an innovative polymer able to capture all the molecules constituting an odor. Once captured, the Getxent tube releases them accurately and continuously up to 6 months.

Getxent tubes are all identical, odor-neutral and ready to be impregnated by your odor source. As only odor molecules of your target odor are captured and released, the impregnated Getxent tubes can be safely used for training in any public places (airports, fairs, etc.) while emitting exactly the same odor as your real/live material without the harmful agents.

Getxent tubes are already used throughout the world in the areas of health, environment and defense in order to diagnose diseases, search for endangered species, detect explosive, and much more.

PROTOCOL

Impregnation

A. If the real/live material can be placed in a closed container (e.g. explosive, currency, scales, ivory...)

1. Place your target odor in a clean, small volume, odor-free and tightly closable container.
2. Open the pouch containing Getxent tubes and pick-up a Getxent tube with pliers while wearing disposable gloves.
3. Place at least one Getxent tube in the container with the target odor.
4. Close the container hermetically and impregnate the Getxent tubes during:
 - a. <24 hrs: the odor concentration coming out of the Getxent tube will be lower than the real/live material (e.g. dog sensitivity training)
 - b. =24 hrs: the odor concentration coming out of the Getxent tube will be similar to the real/live material
 - c. >24 hrs: the odor concentration coming out of the Getxent tube will be higher than the real/live material (e.g. to simulate larger amount)
5. Open the container, remove the Getxent tube using pliers and disposable gloves. Then, store it in a clean, small volume, odor-free and tightly closable container.



B. Other cases (e.g. human, animal, trees, large items...):

1. Open the pouch containing Getxent tubes and pick-up a Getxent tube with pliers while wearing disposable gloves.



2. Place at least one Getxent tube as close as possible to the target odor source (ex. under armpits for patients, in a burrow or cage for animals, next to nests, in a tree).



3. Impregnate the Getxent tubes, typically:

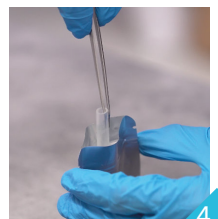
- a. <24 hrs: the odor concentration coming out of the Getxent tube will be lower than the real/live material (e.g. dog sensitivity training)

- b. =24 hrs: the odor concentration coming out of the Getxent tube will be similar to the real/live material

- c. >24hrs: the odor concentration coming out of the Getxent tube will be higher than the real/live material (e.g. to simulate larger amount)

- d. In the particular case of human disease detection, impregnation of few seconds to few minutes is sufficient.

4. Pick-up the Getxent tube using pliers and disposable gloves. Then store it in a clean, small volume, odor-free and tightly closable container.



Training

1. Take one Getxent tube from the storage container with pliers.
2. Hide the Getxent tube, you can immediately start the training. Getxent tube can be hidden safely everywhere (e.g., public settings, buildings, vehicles, nature, etc.).
3. After the training, take the Getxent tube with pliers and place it in the same storage container.



RECOMMENDATIONS

Storage conditions: between -80°C and +55°C, clean and dry. Our best recommendation is to use a fridge.

Duration: Getxent tubes can be used up to 36 months after delivery in original sealed packaging. After opening, keep them in the original hermetically sealed packaging or in any other clean, small-volume, odor-proof packaging. Our best recommendation is to use glass jars or flexible packaging with an aluminum layer.

Manipulation: Before impregnation: ideally manipulate tubes in an odor-free area with metal pliers and disposable gloves. Our best recommendation is to use powder free nitrile gloves. Always minimize the time spent handling the Getxent tubes and its exposure to the environment. The tubes can be placed in an indoor or outdoor (building, forest, desert, under water...).

Cleaning: Getxent tubes can be washed with tap water to remove dust, mud or any particles. The cleaning doesn't affect their performance.

Impregnation: The impregnation time depends on the odor concentration that the user wants to get when working with Getxent tubes. It follows the rule of thumb below:

Getxent tube odor concentration = impregnation time (in days) x odor real/live material concentration

For example, 2 days of impregnation time with 60 grams of explosive is equivalent to the odor of 120 grams of explosive.

Contamination: The impregnated Getxent tubes do not leave olfactive print on the surfaces. When used (e.g. training), an impregnated Getxent tube will not absorb the odor of the surroundings as the odor release from the Getxent tube hampers absorption.

Reuse: Getxent tubes cannot be re-impregnated. We don't recommend using control tubes ("blank"). In case of use, we recommend changing them every 20 minutes.

Duration of use: once impregnated, up to 6 months.

Elimination: Dispose Getxent tubes and packaging in normal trash. If contaminated with a real/live material, comply with the legal requirements for disposal of the contaminant.

Any questions ?

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