

## HZS CWA Simulants Kit

### *Adding realism to simulation*

The HZS CWA Simulants Kit introduces new generation of realistic chemical simulants for the nerve agents sarin (GB) and VX, and the blister agent sulphur mustard (HD). The simulants are specifically developed to simulate environmental behaviour of corresponding chemical warfare agents (CWA) in respect to the appearance and detection response on the following field detection technologies: ion-mobility spectrometry (IMS), flame photometry (FP) and colorimetric chemical detection paper. The HZS CWA simulants are easy to use, safe for user and environment, and biodegradable.

### User Instructions

The HZS CWA Simulants are conveniently delivered in 20 ml bottles, with the field transport box and two user-selectable applicator options. The dropper removal key is included in the kit to facilitate replacement of the vertical dropper insert for the brush applicator.

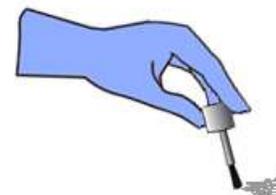
The special bottle closure dispenser allows user to apply the simulants dropwise in equal drop volumes:

- **Turn the bottle at 180° (upside down) and hold in the vertical position;**
- **The drop is formed in the centre spout of the dropper;**
- **Count the drops to apply required dosage.**



The cap with brush allows precise application of the simulants as a thin layer over a surface or in hidden spaces:

- **Retrieve the dropper insert from inside the SIM bottle neck using the dropper removal key;**
- **Close the bottle with the brush applicator cap;**
- **Press the brush against the bottle's neck to drain excess liquid before the use;**
- **Gently push the brush toward the surface for application;**
- **Please note that surface particles, liquids, etc. can be transferred from the brush into the bottle and result in contamination of the content.**
- **Use the wipes provided to clean the brush applicator before placing it back into the bottle.**



The HZS CWA Simulants contain a fluorescent tracer – the additive that emits visible light when irradiated by the UV lamp supplied. This enables fast safety distinction between the simulant and corresponding authentic CWA, as both produce the same response on the detection technologies. Fluorescent tracer also enables simulants use in training scenarios focused on cross-contamination and contamination control.

## HZS CWA Simulants Kit

### Content



1. CWA Simulant Field Kit case [301-001-002]
2. USB stick with CWA Simulant Kit documentation [301-003-007]
3. 3 x AAA batteries for UV-flashlight
4. 6 x brush applicators [301-001-005] and dry wipes [301-001-006]
5. 4 x 20 ml bottles HD simulant [301-002-001]
6. 4 x 20 ml bottles GB simulant [301-002-002]
7. 4 x 20 ml bottles VX simulant [301-002-003]
8. Dropper removal key [301-001-008]
9. Transport case for the CWA Simulants Kit [301-001-001]

## CWA Simulants Field Kit

### Content



1. UV-flashlight [301-001-007]
2. 20 ml bottle VX simulant [301-002-003]
3. 20 ml bottle HD simulant [301-002-001]
4. 20 ml bottle GB simulant [301-002-002]