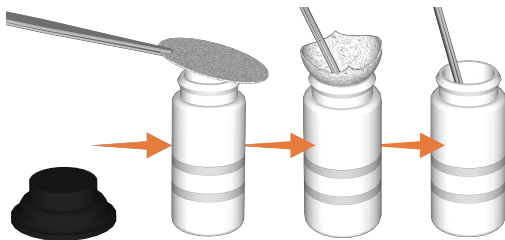
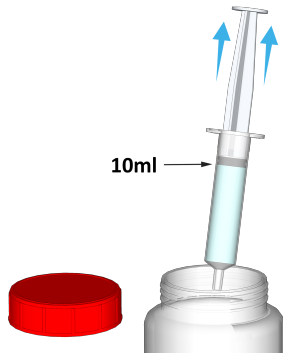


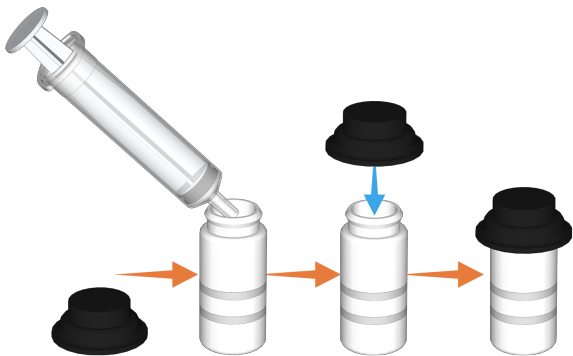
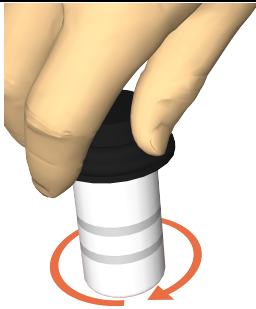
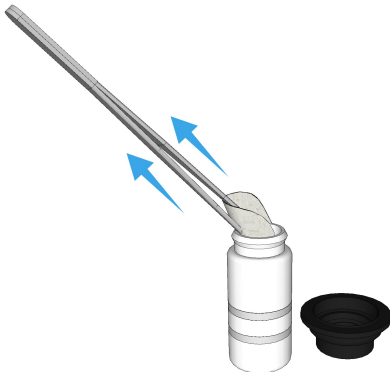
## VII. Step 3 : Determine the concentration of trichloramine in the air

### 1) Necessary equipment

| <b>Id</b> | <b>Designation</b>          |
|-----------|-----------------------------|
| 1         | Triklorame measuring device |
| 2         | Sampling device             |
| 3         | Sampling Cuvette            |
| 4         | Filter clamp                |
| 5         | Syringe 10 mL               |
| 6         | Sampling sample (exposed)   |
| 7         | Dilution bottle 500 mL      |

### 2) Method

| <b>N°</b> | <b>Action</b>                                                                                                                   | <b>Picture</b>                                                                        |
|-----------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1         | Clean the equipment according to Step 1 of the procedure.                                                                       |                                                                                       |
| 2         | Collect the sample [6] in the sampling device [2] by repeating the method described in chapter "Capturing trichloramine in air" |                                                                                       |
| 3         | Open the cuvette [3] and insert the sample [6] with the clamp [4]                                                               |   |
| 4         | Take 10 mL of solution from the dilution bottle [7] with the syringe [5]                                                        |  |

|   |                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | Inject the 10 mL into the cuvette [3] and close the cuvette with its plug                                                           |  A sequence of three illustrations showing the process of filling a cuvette. First, a syringe is shown injecting liquid into an open cuvette. Second, a black plug is shown being inserted into the top of the cuvette. Third, the fully assembled cuvette with the plug is shown. Orange arrows indicate the flow from the syringe to the cuvette and then to the closed cuvette. |
| 6 | Stir circularly keeping the analysis cuvette [3] straight for 10 seconds. The solution must avoid coming into contact with the plug |  An illustration of a hand holding the black plug of the cuvette. A red circular arrow around the plug indicates a circular stirring motion. The cuvette is held straight, and the hand is positioned to stir the liquid without touching the plug.                                                                                                                               |
| 7 | Remove the sampling sample [6] using the clamp [4] and discard                                                                      |  An illustration showing a metal clamp being used to remove a small sample of the liquid from the cuvette. The clamp is shown lifting a portion of the liquid, and the cuvette is shown with its plug removed. Blue arrows indicate the direction of the sample being removed.                                                                                                    |
| 8 | Press the "ON" button of trikloram [1]                                                                                              |  A photograph of the TRIKLORAME SYCLOPE Electronic device. It is a blue handheld device with a screen displaying the text "TRIKLORAME SYCLOPE Electronique". Below the screen are several buttons, including a prominent green "ON" button.                                                                                                                                     |