

## **Fact sheet of the interlaboratory comparison:** **Chemical disinfectants and antiseptics 2024**

### **1. Context and objectives:**

As it has done every year since 2015, the CT2M organizes an international interlaboratory comparison in the field of chemical antiseptics and disinfectants in 2024. For information, the previous edition of this comparison gathered 28 participants.

The objectives of this proficiency testing are to:

- Evaluate the performance of the participants for the relevant standards,
- Improve client confidence of participants,
- Identify differences between participants,
- Meet the normative and accreditation requirements.

### **2. Proficiency testing item:**

The product to be tested will be a commercial solution of didecyldimethylammonium chloride (DDAC 50%).

The strains tested will be:

- *Candida albicans* for EN 13624,
- *Candida albicans* for EN 1650.

### **3. Testing Method:**

The technical requirements of the test standards EN 13624 and EN 1650 must be strictly observed. A detailed protocol will be provided to each participant at the beginning of the campaign. The test conditions (contact time, temperature, clean/dirty conditions, etc.) will be specified in this detailed protocol.

The comparison will be carried out in 2 steps:

- Step 1: determination of the effective concentration,
- Step 2: Determination of the reduction rates for three imposed product concentrations.

**Participants can register for one or two standards depending on their needs. It is not mandatory to complete all the proposed tests in order to register.**

### **4. Organization of the proficiency testing:**

To guarantee the quality of this proficiency testing, the product to be tested will be provided by CT2M (for participants located in the European Union) and sent by carrier. The bottle will be sent to the postal address indicated in the registration form completed by the participant. Participants located outside the European Union will have to obtain the defined product by their own means. At the end of each step, participants will send their results by e-mail by completing the results file provided by the CT2M.

## 5. Assigned values and evaluation of performance:

The main objective of this interlaboratory comparison is the evaluation of the ability of each participant to obtain results in line with the results of all participants (z-score or z'-score depending on the number of participants).

The assigned value to meet this objective will be the robust mean of the participants' results determined from the A-algorithm defined in ISO 13528 after exclusion of outliers. The standard deviation for the proficiency evaluation and the uncertainties associated with the assigned values will be determined in order to establish the performance scores of each participant for each test.

## 6. Report(s):

At the end of the interlaboratory comparison, a statistical analysis will be performed and a final report will be sent to the participants. This report will contain the results of all participants (with a codification to respect anonymity), the detection of outliers, the assigned values and their associated uncertainties, the performance scores of the participants and other elements useful for the interpretation.

The final report will be distributed to all participants only.

## 7. Provisional schedule:

Key steps	Estimated deadline
End of registration	26 April 2024
Emailing of the detail protocol and the results form	24 May 2024
Shipment of products	24 May 2024
Receipt of results (phases 1 / 2)	19 July / 27 September 2024
Publication of the final report	25 November 2024

## 8. Reciprocal commitments:

### CT2M commitments:

The CT2M undertakes to:

- guarantee the confidentiality of participants results and respect their anonymity (\*),
- carrying out the performance evaluation in complete impartiality,
- organize and process the results in accordance with the reference applicable documents (ISO 17043, ISO 13528).

(\*) The data obtained and generated during the inter-laboratory comparison may be consulted during internal or external audits. Auditors are systematically subject to a confidentiality agreement. For communication purposes (conferences, articles, etc.), the results may be used but in a totally anonymous manner.

#### Participant commitments:

The participants in this inter-laboratory comparison undertake to:

- respect the protocol provided for carrying out the tests,
- provide their results within the deadlines defined by the organizer,
- not to communicate with any other participant who may be known in order to avoid any risk of collusion,
- transmit all the necessary information of the successful completion of the inter-laboratory comparison to all the persons concerned within their laboratory,
- inform the CT2M of any malfunction.

#### **9. Registration and contact:**

If you wish to participate in this interlaboratory comparison, please complete the associated registration form "Registration Form - ILC Disinfectants 2024\_v1 " and return it by email to [cildesinfectants@ct2m.fr](mailto:cildesinfectants@ct2m.fr).

For further information please contact us by:

- ✓ Email: [cildesinfectants@ct2m.fr](mailto:cildesinfectants@ct2m.fr)
- ✓ Phone: +33 (0)4 90 50 90 14