

Director  
Metrology service Ltd.

Bozhko Nataliia  
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**PROFICIENCY TESTING PT.UA.2.1.2016**  
**MICROBIOLOGY IN MEAT PRODUCTS**  
**PROFICIENCY TESTING PROGRAMME – ROUND 4 (ENG)**

Kyiv-2018

## 1. INTRODUCTION

Given the key role of reliable test results that are needed during food safety determination in general, requirements for the competence of laboratories that perform such tests should be confirmed.

The purpose of proficiency testing in microbiology is to determine the characteristics of the operation (as described in ISO\IEC 17043 [1]) and improve the reliability of test results.

This proficiency testing involves the use of inter-laboratory comparisons to confirm the performance of individual laboratories' abilities and/or identify areas of improvement.

The functioning management system Metrology service Ltd. (further – Provider) complies with ISO\IEC 17043[1] requirements and covers all aspects of proficiency testing (further – PT) for all proficiency tests.

## 2. DESCRIPTION

### 2.1. PARTICIPATION

2.1.1. Minimum methods for participation. Any organization, providing testing by at least one of methods in clause 2.2 may participate in this voluntary Program.

2.1.2. Participant may provide results for all the methods according to clause 2.2.

2.1.3. Metrology service Ltd. Assigns a unique identification number to each participant that is confidential and reported only to this participant.

2.1.4. Participation fee for participants from outside of Ukraine is 170.00 USD.

### 2.2. METHODS

Participants can provide test results for the following methods:

	Parameter	Note
1.	Salmonella spp.	Detection method
2.	Colony count	Enumeration method
3.	Coliforms	Detection method

### 2.3. SAMPLES

Metrology service Ltd. is using a validated procedure and appropriate technical experts and contractors for the selection, production, homogenization and division designs that is satisfactory for the purposes of this program.

Sample will be packed in special package and hermetically sealed. Participant must check the packaging, the labeling and sample documents when accepting sample. In case of any damage to the packaging or identification questioning Participant must immediately inform the Provider.

Approximately 100±5 g of **homogenized chicken meat** is used as a sample in round 4.

2.3.2. Sample delivery. Metrology service Ltd. will send appropriately identified and packaged sample together with task sheet form for testing and reporting results via courier delivery service of Nova Poshta LLC or other chosen by the participant. Shipping expenses are not included in participation price. Refrigerant will be added to packaging for optimal transporting conditions.

## 2.4. SCHEME AND SCHEDULE

2.4.1. This proficiency testing program is a simultaneous participation scheme according to A.3 of appendix A ISO\IEC 17043[1]. Selected samples, prepared according to clause 2.3, from a source of material being distributed simultaneously to participants for concurrent testing. After completion of the testing, the results are returned to Metrology service Ltd. Task sheet form for testing and reporting results is distributed with the sample according to clause 2.3. Metrology use statistical methods to analyse results and provide report according to clause.2.5.

2.4.2. Round 4 schedule.

Participants registration	<b>till 13-00 EET 19.10.2018</b>
Sample shipment	<b>22.10.2018</b>
Reporting results for participants	<b>till 13-00 EET 02.11.2018</b>
Report publication	<b>till 16.11.2018</b>

## 2.5. REPORT AND PROCESSING RESULTS

2.5.1. Metrology service Ltd. processes and analyses results according to [1-8].

2.5.2. Metrology service Ltd. publishes the Proficiency testing report according to [1,2].

2.5.3. Proficiency testing report will be published in two languages – English and Ukrainian. Basic (reference) language is English.

## 3. PARTICIPANT INFORMATION

Participants must provide the following information by **e-mail in any form**:

1. Full name (English and/or Ukrainian), Bank details, address, registration number, detail of person, who will sign a contract;
2. Full name and address of laboratory (testing facility) if it is not equal to clause 1;
3. Address of shipment of samples or Nova Poshta LLC department number (with the choice of shipment type);
4. Participant contact person full name;
5. Contact telephone number (e.g. mobile) and e-mail address of the participant contact person.

## 4. PROVIDER CONTACTS AND PROGRAM MANAGER

Metrology service Ltd., Ukraine, 03022, Kyiv, 45 Vasilkivskast., office 403.

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## 5. NORMATIVE REFERENCE

1. ISO/IEC 17043:2010 Conformity assessment -- General requirements for proficiency testing
2. ISO 13528:2015 Statistical methods for use in proficiency testing by interlaboratory comparisons

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3. FOOD ANALYSIS PERFORMANCE ASSESSMENT SCHEME (FAPAS). Protocol for the organization and analysis of data, sixth edition, 2002
4. Fearn, T. and Thompson, M, A new test for 'sufficient homogeneity', Analyst, 2001, 126, 1414-1417
5. ISO Guide 35:2017 Reference materials -- Guidance for characterization and assessment of homogeneity and stability
6. ILAC Discussion Paper on Homogeneity and Stability Testing, April 2008.
7. FOOD ANALYSIS PERFORMANCE ASSESSMENT SCHEME (FAPAS). Protocol for proficiency testing schemes. version 4. September 2016. Part 3. FAPAS Food microbiology scheme (FEPAS)
8. ISO 17034:2016 General requirements for the competence of reference material producers