

Director  
Metrology service Ltd.



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**PROFICIENCY TESTING PT.UA.2.1.2016**  
**MICROBIOLOGY IN MEAT PRODUCTS**  
**PROFICIENCY TESTING PROGRAMME – ROUND 1(ENG)**

Kyiv-2016

## 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], the GD-08.15.31 [2]) 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.

## 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 150.00 USD for any sample according to clause 2.2.

### 2.2. METHODS

Participants can provide test results for the following methods:

#### 2.2.1. Sample A. Detection method:

	Parameter	Recommended method	Note
1.	Salmonella spp.	ISO 6579:2002/ ДСТУ ISO 6579:2002	

#### 2.2.2. Sample B/ Detection method:

	Parameter	Recommended method	Note
1.	Listeria monocytogenes	ДСТУ ISO 11290-1:2003/ ISO 11290-1:1996	

#### 2.2.3. Sample C/ Detection and enumeration methods:

	Parameter	Recommended method	Note
1.	Listeria monocytogenes	ДСТУ ISO 11290-1:2003/ ISO 11290-1:1996	Detection method
2.	Salmonella spp.	ISO 6579:2002	Detection method
3.	Colony count	ДСТУ ISO 4833:2006/ ISO 4833:2003	Enumeration method
4.	E. coli	ДСТУ ISO 16649-1:2014 (ДСТУ ISO 16649-2:2014)/ ISO 16649-1:2001; ISO 16649-2:2001	Enumeration 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.

**Homogenized chicken meat** is used as a sample in round 1 for each sample A, B or C.

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 included in participation price. Refrigerant will be added to packaging for optimal transporting conditions.

### 2.3.3. Samples for Participants:

Shipment date	Sample no.	Matrix	Parameter	Mass,g
06.02.2017	PT.UA.2.1.2016A Round 1	<b>Homogenized chicken meat frozen o cooled</b>	Salmonella spp.	100 ±5
06.02.2017	PT.UA.2.1.2016B Round 1	<b>Homogenized chicken meat frozen o cooled</b>	Listeria monocytogenes	100 ±5
06.02.2017	PT.UA.2.1.2016C Round 1	<b>Homogenized chicken meat frozen o cooled</b>	Listeria monocytogenes	150 ±5
			Salmonella spp.	
			Colony count	
			E. coli	

## 2.4. SCHEME AND SCHEDULE

2.4.1. This proficiency testing program is a simultaneous participation schemes 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 2 schedule.

Participants registration	till 13-00 EET 03.02.2017
Sample shipment	06.02.2017
Reporting results for participants	till 13-00 EET 24.02.2017
Report publication	till 07.03.2017

## 2.5. REPORT AND PROCESSING RESULTS

2.5.1. Metrology service Ltd. processes and analyses results according to ISO\IEC 17043[1], GD-08.15.31[2] та ISO 13528[3].

2.5.2. Metrology service Ltd. publishes the Proficiency testing report according to ISO\IEC 17043[1] та GD-08.15.31[2].

2.5.3. Proficiency testing report will be published in two languages – English and Ukrainian.

### **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.
6. Chosen samples.

### **4. PROVIDER CONTACTS AND PROGRAM MANAGER**

Metrology service Ltd., Ukraine, 03022, Kyiv, 45 Vasilkivska st., office 403.

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### **5. NORMATIVE REFERENCE**

1. ISO/IEC 17043:2010 Conformity assessment -- General requirements for proficiency testing
2. National accreditation agency of Ukraine GD 08.15.31 Management system General document «Conformity assessment. General requirements for proficiency testing»
3. ISO 13528:2015 Statistical methods for use in proficiency testing by interlaboratory comparisons