

## Final report PT-Tx 1/2019

### PT report on “Detection of anti-Toxoplasma IgG in ovine serum samples”

#### Design

Purpose	Evaluation of laboratories in charge for official control on food	
Scheme type	Single	
Participants	Public and private, European laboratories	
N. of participants	Depending on request	
Method	not regulated	
Test method	chosen by the participant	
PT items	Matrix	serum
	Item	IgG
	N. of samples	6 for each participant
	Distribution	Immediate shipment after preparation
Subcontracted activities	NA	
Results evaluation	Qualitative	

#### Implementation

N. of participants	18	PT items	Serum samples	6
Public laboratories	4		PT panel composition	4 positive, 2 negative
Private laboratories	0		Shipping	TNT Express
NRL	14			
Shipping dates	March 11 <sup>th</sup> 2019			

PT provider  
 Unit of Foodborne and Neglected Parasitic Diseases  
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## Results

The PT final evaluation is qualitative only. The PT was considered passed if all positive and all negative samples were correctly identified by the participant.

Laboratory code	N° of samples correctly identified	N° of samples NOT correctly identified	Final evaluation
T1	6	0	POSITIVE
T2	6	0	POSITIVE
T3	6	0	POSITIVE
T4	6	0	POSITIVE
T5	6	0	POSITIVE
T6	6	0	POSITIVE
T7	6	0	POSITIVE
T8	6	0	POSITIVE
T9	6	0	POSITIVE
<b>T10</b>	<b>3</b>	<b>3</b>	<b>NEGATIVE</b>
T11	6	0	POSITIVE
T12	6	0	POSITIVE
<b>T13</b>	<b>5</b>	<b>1</b>	<b>NEGATIVE</b>
<b>T14</b>	<b>5</b>	<b>1</b>	<b>NEGATIVE</b>
T15	6	0	POSITIVE
T16	6	0	POSITIVE
T17	6	0	POSITIVE
T18	6	0	POSITIVE

**Legend:**

- Laboratories that failed the PT are marked in bold.

**Summary of results:**

Total number of PT panels	1
Number of participant laboratories	18
Number of participants that passed the PT	15
Number of participants that failed the PT	3



**Overtime comparison of results: NA**

**Comments:**

Overtime comparison was not applicable because host serum samples change every year

The Director  
Dr. S.M. Cacciò

Date 9/05/2019

**Notes:**

1. To guarantee confidentiality, participant laboratories are identified by alphanumeric codes. PT participant identity is kept confidential and bound by professional secrecy. If PT results have to be provided directly to a competent authority, the organizer shall send a written notice to inform the involved participants.
2. The organizer designates a qualified company for the transport and delivery of PT items.
3. Each participating laboratory receives a PT panel according to the PT scheme. Each PT item consists of a serum sample collected from *Toxoplasma gondii* infected ovine as well as from *Toxoplasma gondii* free ovine and tested for anti-*Toxoplasma* IgG by a commercial kit. All proficiency items with the same IgG titer were prepared from a single animal, in order to assure homogeneity. PT items Serum samples, stored between +4-+15°C, are stable for more than 1 month from the date of preparation.
4. At the beginning of each year, the organizer draws up a PT program and makes it known by sending an email to the NRLs
5. The final report issue of each PT round shows the PT program implementation.

End of the report