

Reissue n° 1 Final report PT06 :Toxo1/2020

PT06 report on “Detection of anti-Toxoplasma IgG in swine serum samples”

Reason for reissue: Re-evaluation of a participant (Lab. D)

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	Detection of anti-toxoplasma IgG (chosen by the participant)	
PT items	Matrix	serum
	Item	IgG
	N. of samples	3 for each participant
	Distribution	Immediate shipment after preparation
Subcontracted activities	NA	
Results evaluation	Qualitative	

Implementation

N. of participants	12	PT items	Serum samples	3
Public laboratories	12		PT panel composition	2 positive, 1 negative
Private laboratories	0		Shipping	DHL Express
NRL	12			

PT provider
 Unit of Foodborne and Neglected Parasitic Diseases
 Istituto Superiore di Sanità

Person in charge of PT
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Shipping dates	March 9 th 2020
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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
A	3		POSITIVE
B	/	/	/
C	3		POSITIVE
D	3		POSITIVE
E	/	/	/
F	3		POSITIVE
G	3		POSITIVE
H	3		POSITIVE
I	3		POSITIVE
J	3		POSITIVE
L	3		POSITIVE
M	3		POSITIVE

Legend:

Note: Laboratories that failed the PT are marked in bold.

The laboratory code B did not send results due to Covid -19 pandemic.

The laboratory code E did not send results.

Summary of results:

Total number of PT panels	12
Number of participant laboratories	12
Number of participants that passed the PT	10
Number of participants that failed the PT	0
Number of participants that did not submit the results	2

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Overtime comparison of results: NA

Note: NA, not applicable

Comments:

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

The Director
Dr. S.M. Cacciò



Date 11/12/2020

Notes:

1. To guarantee confidentiality, participant laboratories are identified by alphabetical codes. PT participant identity is kept confidential and bound by professional secrecy. The PTP reserves itself the right to provide the laboratory PT result to the competent authority on request.
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 pigs as well as from *Toxoplasma gondii* free pigs 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