

Final report PT-Tx 1/2017

PT report on “Detection of anti-Toxoplasma IgG in swine 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	7 for each participant
	Distribution	Immediate shipment after preparation
Subcontracted activities	N.A., NOT APPLICABLE	
Results evaluation	Qualitative	

Implementation

N. of participants	18	PT items	Serum samples	7
Public laboratories	1		PT panel composition	1 positive; 6 negative
Private laboratories	0		Shipping	TNT Express
NRL	17			
Shipping dates	March 13 th 2017			

PT organizer
 Unit of Gastroenteric and Tissue Parasitic Diseases
 Istituto Superiore di Sanità

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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	7	0	POSITIVE
B	7	0	POSITIVE
C	7	0	POSITIVE
D	7	0	POSITIVE
E	7	0	POSITIVE
F	7	0	POSITIVE
G	7	0	POSITIVE
H	7	0	POSITIVE
I	7	0	POSITIVE
L	7	0	POSITIVE
M	7	0	POSITIVE
N	7	0	POSITIVE
O	7	0	POSITIVE
P	7	0	POSITIVE
Q	7	0	POSITIVE
R	7	0	POSITIVE
S	7	0	POSITIVE
T	7	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	18
Number of participants that failed the PT	0

Overtime comparison of results

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Not applicable

The Director
Dr. E. Pozio

Date 27-04-2017

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 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

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