



Final report PT-Tx 1/2015

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	NRL	
N. of participants	Depending on request	
Method	Not regulated	
Test method	Chosen by the participant	
PT items	Matrix	Serum
	Item	anti- <i>Toxoplasma</i> IgG
	N. of samples	10 for each participant
	Distribution	Immediate shipment after preparation
Subcontracted activities	PT item transport and delivery	
Results evaluation	Qualitative	

Implementation

N. of participants	16	PT items	Serum samples	10
Public laboratories	16		PT panel composition	6 samples with anti- <i>T. gondi</i> IgG 4 samples without anti- <i>T. gondi</i> IgG
Private laboratories	0		Subcontractor	TNT Express
NRL	16		Shipping dates	16/03/2015



Qualitative results

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

Laboratory code	N° False positives	N° False negatives	Final evaluation
B	0	0	Passed
C	0	0	Passed
D	0	0	Passed
E	0	0	Passed
F	0	0	Passed
G	0	0	Passed
H	0	0	Passed
I	3	0	Failed
J	0	0	Passed
K	0	0	Passed
L	0	0	Passed
M	0	0	Passed
N	0	0	Passed
O	0	0	Passed
P	0	0	Passed
Q	0	0	Passed

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

Summary of qualitative results:

Total number of PT panels	16
Number of participant laboratories	16
Number of participants that passed the PT	15
Number of participants that failed the PT	1

Comments:

The cause of laboratory failure has been analyzed and can be attributed to the lack of the method (in house developed agglutination test) set up for ovine serum samples.

The Director
Dr. E. Pozio



Date 11/05/2015

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 subcontracts PT item transport and delivery to a qualified transportation company.
3. Each participating laboratory receive a PT panel according to the PT scheme. Each PT item consists of a fish fillet sandwich spiked or not with live Anisakidae larvae. The homogeneity of PT items is ensured by an accurate control of the number of larvae spiked into each sample (item), made by two operators using a stereo microscope. PT items are stable for 7 days from the date of preparation (corresponding to the shipping date), provided that they are maintained in suitable conditions.
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