

## Final report PT-06: T 1/2023

### PT-06: “Detection of anti-Toxoplasma IgG in animal serum samples”

#### Design

Purpose	Evaluation of laboratories competence in detection anti Toxoplasma IgG in animal serum	
Scheme type	Single, simultaneous	
Participants	National reference laboratories for parasites. Public and private 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	3 for each participant
	Distribution	Immediate shipment after preparation
Subcontracted activities	NA	
Results evaluation	Qualitative	

#### Implementation

N. of participants	17	PT items	Serum samples	3
Public laboratories	17		PT panel composition	3 positive
Private laboratories	0		Shipping	DHL Express
NRL	17			
Shipping dates	March 13 <sup>th</sup> 2023			

PT provider  
 Unit of Foodborne and Neglected Parasitic Diseases  
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Person in charge of PT  
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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	3	/	Positive
C	3	/	Positive
D	3	/	Positive
E	3	/	Positive
F	3	/	Positive
G	3	/	Positive
H	3	/	Positive
I	3	/	Positive
J	3	/	Positive
L	3	/	Positive
M	3	/	Positive
N	3	/	Positive
O	3	/	Positive
P	3	/	Positive
Q	3	/	Positive
R	3	/	Positive

### Summary of results:

Total number of PT panels	3
Number of participant laboratories	17
Number of participants that passed the PT	17
Number of participants that failed the PT	0



### Overtime comparison of results

Laboratory code	N° of samples correctly classified/ year	N° of samples correctly classified/ year	N° of samples correctly classified/ year	N° of samples correctly classified/ year	N° of samples correctly classified/ year
	2015	2019	2021	2022	2023
<b>A</b>	/	/	/	4/4	3/3
<b>B</b>	10/10	/	/	3/4	3/3
<b>C</b>	/	6/6	6/6	3/4	3/3
<b>D</b>	10/10	6/6	6/6	4/4	3/3
<b>E</b>	10/10	6/6	6/6	/	3/3
<b>F</b>	10/10	6/6	6/6	4/4	3/3
<b>G</b>	/	/	6/6	4/4	3/3
<b>H</b>	/	6/6	6/6	4/4	3/3
<b>I</b>	10/10	3/6	6/6	2/4	3/3
<b>J</b>	/	6/6	6/6	3/4	3/3
<b>L</b>	/	/	/	4/4	3/3
<b>M</b>	10/10	5/6	6/6	4/4	3/3
<b>N</b>	10/10	6/6	6/6	4/4	3/3
<b>O</b>	10/10	5/6	/	4/4	3/3
<b>P</b>	/	6/6	6/6	3/4	3/3
<b>Q</b>	10/10	6/6	6/6	4/4	3/3
<b>R</b>	10/10	6/6	6/6	3/4	3/3

**Legend:**

- The laboratory codes are those assigned this year.
- Laboratories that failed the PT are marked in blue.

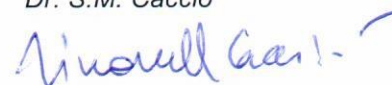
**Comments:**

PTP person in charge

*Dr. A. Ludovisi*

The Director

*Dr. S.M. Cacciò*



**Date** 15/05/2023

**Notes:**

1. To guarantee confidentiality, participant laboratories are identified by alphanumeric 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.

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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