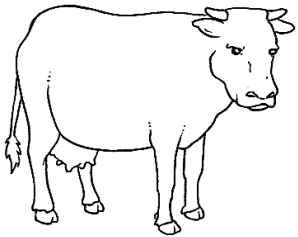


2021 round of TSE EURL EQAs

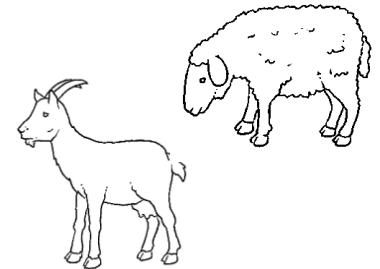
Turin/Rome, Italy

Forthcoming 2021 round:

Discriminatory Western Blot in Small Ruminants **PTDS21**
Discriminatory Western Blot in Bovine **PTDB21**



PRNP Genotyping in sheep **PTGS21**
PRNP Genotyping in goats **PTGG21**

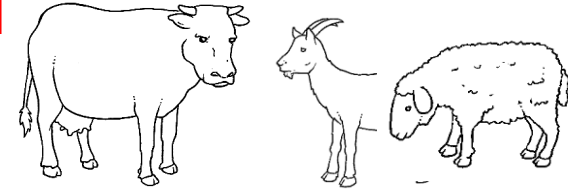


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Istituto Superiore di Sanità - Rome

Gabriele Vaccari

Proficiency testing for Discriminatory Western Blot in Bovine **PTDB21** Discriminatory Western Blot in Small Ruminants **PTDS21**



- All NRLs have answered to the EQA call of interest for PT in 2021
- Please provide import licence.
- NRLs will receive an e-mail informing the imminent dispatch of samples in **December 2021** for the two set of samples, that will be dispatched together, inside a single container with two sachets containing the different samples. Each sachets will be identified with the identifier of the PT to which they must be submitted.
- How submit the results
 - » Two links to upload the results to a repository folder
 - » TWO excel file Submission results PTDS21.xlsx and PTDB21.xlsx
 - » Upload the results to the links (excel file, Raw data, blot images, *.zip, *.rar)



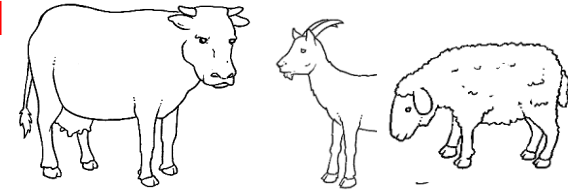
PTDB21 11 participants - Deadline February 2022

PTDS21 19 participants - Deadline February 2022

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**Proficiency testing for
Discriminatory Western Blot in Bovine PTDB21
Discriminatory Western Blot in Small Ruminants PTDS21**



- ❖ Each sample will be identified with a unique alphanumeric code (for example **DB21xx** or **DS21yy**) :

DB = Discriminatory Western Blot in Bovine

DS = Discriminatory Western Blot in Small Ruminants

21= for the year 2021

xx two digit number for each sample

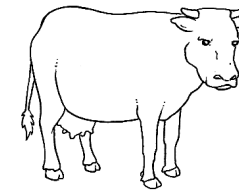
yy two digit number for each sample



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Proficiency testing for Discriminatory Western Blot in Bovine PTDB21



Submission file (excel format):

- Identification of the PT scheme

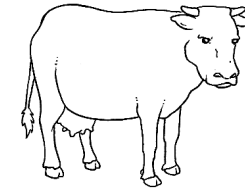


A	B	C	D	E
	TSE EURL Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino Istituto Superiore di Sanità – Roma			
PROFICIENCY TESTING FOR VETERINARY LABORATORIES				
SCHEME:		Discriminatory western blot in bovine		
ID:		DB21		
DISTRIBUTION DATE:				
Please, fill ONLY the grey cells in tables below				
Laboratory ID		Date of receipt		
Test method	Please insert the laboratory identification number you received for the participation to this PT			
Sample No			Comments	
DB2111				
DB2112				
DB2113				
DB2114				
Test method used	Kit Manufacturer	Batch	Expiry date	Date of testing
Antibodies used	Batch	Expiry date		



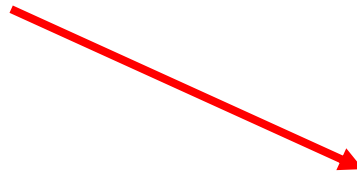
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Proficiency testing for Discriminatory Western Blot in Bovine PTDB21




Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID



The “Laboratory identification number” is the identification code of each lab, received via e-mail in 2019.

→ Note that a different code has been assigned the laboratory for each different EQA

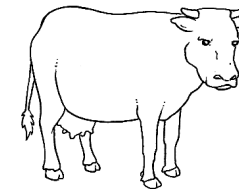
A	B	C	D	E
	TSE EURL Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino Istituto Superiore di Sanità – Roma			
PROFICIENCY TESTING FOR VETERINARY LABORATORIES				
SCHEME:	Discriminatory western blot in bovine			
ID:	DB21			
DISTRIBUTION DATE:				
Please, fill ONLY the grey cells in tables below				
Laboratory ID	Date of receipt			
Test method	Please insert the laboratory identification number you received for the participation to this PT			
Sample No		Comments		
DB2111				
DB2112				
DB2113				
DB2114				
Test method used	Kit Manufacturer	Batch	Expiry date	Date of testing
Antibodies used	Batch	Expiry date		



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Proficiency testing for Discriminatory Western Blot in Bovine PTDB21



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID
- Test method info
- Results and comments for each sample (unique alphanumeric code)

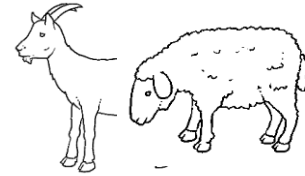
A	B	C	D	E
	TSE EURL Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino Istituto Superiore di Sanità – Roma			
PROFICIENCY TESTING FOR VETERINARY LABORATORIES				
SCHEME:		Discriminatory western blot in bovine		
ID:		DB21		
DISTRIBUTION DATE:				
Please, fill ONLY the grey cells in tables below				
Laboratory ID		Date of receipt		
Test method used				
Sample No	Result	Comments		
DB2111				
DB2112	C-BSE			
DB2113	H-BSE			
DB2114	L-BSE			
Test method used		Kit Manufacturer	Batch	Expiry date
Antibodies used		Batch	Expiry date	



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Proficiency testing for Discriminatory Western Blot in Small Ruminants **PTDS21**



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID
- Test method info
- Alternative tests

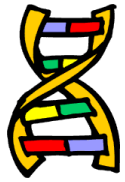
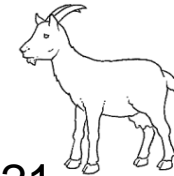
	A	B	C	D
1		TSE EURL		
2		Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino		
3		Istituto Superiore di Sanità – Roma		
4	PROFICIENCY TESTING FOR VETERINARY LABORATORIES			
5	SCHEME:		Discriminatory western blot in small ruminant	
6	ID:		DS21	
7	DISTRIBUTION DATE:		XX/12/2021	
8	Please, fill ONLY the grey cells in tables below			
9				
10				
11	Laboratory ID	Date of receipt		
12				
13				
14	Test method	Please insert the laboratory identification number you received for the participation to this PT		
15	Sample No.		Comments	
16	DS2101			
17	DS2102			
18	DS2103			
19	DS2104			
20	DS2105			
21				
22	Test method used	Kit Manufacturer	Batch	Expiry date
23				
24	Antibodies used	Batch	Expiry date	Date of testing
25				
26				
27				
28				
29	1st alternative test			
30	Sample No.	Result	Comments	
31	DS2101			
32	DS2102			
33	DS2103			



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**Proficiency testing for
PRNP Genotyping in sheep PTGS21
PRNP Genotyping in goats PTGG21**



- All NRLs have answered to the EQA call of interest for PT in 2021
- All NRLs will receive an e-mail informing the imminent dispatch of samples for **November 2021** the two set of samples will be dispatched together. Inside a single container you will receive two sachets containing the different samples. Each sachets will be identified with the identifier of the PT to which they must be submitted.
- How submit the results
 - » Two links to upload the results to a repository folder
 - » TWO excel file Submission PTGS21.xlsx or PTGG21.xlsx

PTGS21 22 participants - Deadline January 2022

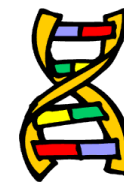
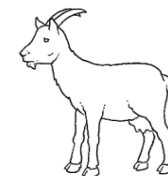
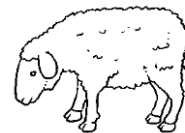
PTGG21 14 participants – Deadline January 2022



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Proficiency testing for
PRNP Genotyping in sheep **PTGS21**
PRNP Genotyping in goats **PTGG21**



- ❖ Each sample will be identified with a unique alphanumerical code (for example **GS21xx** or **GG21yy**) :

GS = PRNP Genotyping in sheep

DS = PRNP Genotyping in goats

21= for the year 2021

xx two digit number for each sample

yy two digit number for each sample

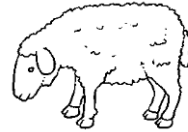
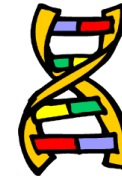


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Proficiency testing for PRNP Genotyping in sheep PTGS21



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID

The “Laboratory identification number” is the identification code of each lab, received via e-mail in 2019.

→ Note that a different code has been assigned the laboratory for each different EQA

	A	B	C
1		TSE EURL	
2		Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino	
3		Istituto Superiore di Sanità – Roma	
4	PROFICIENCY TESTING FOR VETERINARY LABORATORIES		
5	SCHEME:	PRNP sheep genotyping	
6	ID	GS21	
7	DISTRIBUTION DATE:	xx/11/2021	
8			
9	Method used		
10			
11	Please, fill ONLY the grey cells in tables below		
12	Laboratory ID	Date of receipt	Date of testing
13			
14			
15	Sample ID	Comments	
16	GS2101		
17	GS2102		
18	GS2103		
19	GS2104		
20	GS2105		
21	GS2106		
22	GS2107		
23	GS2108		
24	GS2109		
25	GS2110		
26			



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Istituto Superiore di Sanità - Rome

Proficiency testing for PRNP Genotyping in sheep **PTGS21**



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID
- Test method info
- Molecular technique used, reference where the method has been described, SOP.
- Results
 - Results and comments for each sample (drop-down menu to select the method used)

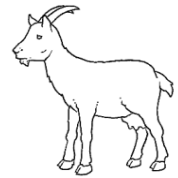
A	B	C
	TSE EURL Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino Istituto Superiore di Sanità – Roma	
	PROFICIENCY TESTING FOR VETERINARY LABORATORIES	
	SCHEME:	PRNP sheep genotyping
ID	GS21	
DISTRIBUTION DATE:	xx/11/2021	
Method used		
Please, fill ONLY the grey cells in tables below		
Laboratory ID	Date of receipt	Date of testing
Sample ID	Genotype	Comments
GS2101		
GS2102	ALRR/ALRR	
GS2103	ALRR/ALRQ	
GS2104	ALRR/ALRH	
GS2105	ALRR/ALHQ	
GS2106	ALRR/AFRQ	
GS2107	ALRR/VLRQ	
GS2108	ALRQ/ALRQ	
GS2109	ALRQ/ALRH	
GS2110		
GS2111		



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Proficiency testing for PRNP Genotyping in goat **PTGG21**



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID
- Test method info →
- Molecular technique used, reference where the method has been described, SOP.

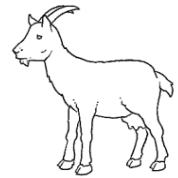
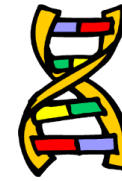
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1		TSE EURL		
2		Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino		
3		Istituto Superiore di Sanità – Roma		
4		PROFICIENCY TESTING FOR VETERINARY LABORATORIES		
5	SCHEME:	PRNP sheep genotyping		
6	ID	GS21		
7	DISTRIBUTION DATE:	xx/11/2021		
8				
9	Method used			
10				
11	Please, fill ONLY the grey cells in tables below			Please indicate the title, identification code and details of the method used.
12	Laboratory ID	Date of receipt	Date of testing	
13				
14				
15	Sample ID	Genotype	Comments	
16	GS2101			
17	GS2102			
18	GS2103			
19	GS2104			
20	GS2105			
21	GS2106			
22	GS2107			
23	GS2108			
24	GS2109			
25	GS2110			
26				



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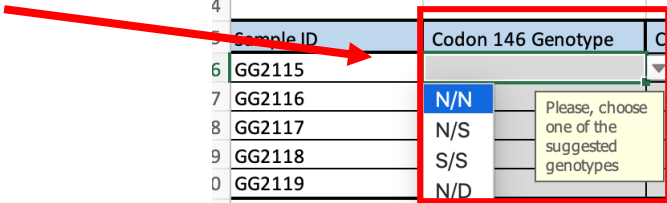
Proficiency testing for PRNP Genotyping in goat **PTGG21**



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID
- Test method info
- Results
 - Results and comments for each sample
(drop-down menu to select the result)

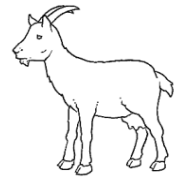
A	B	C	D
		TSE EURL Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino Istituto Superiore di Sanità – Roma	
		PROFICIENCY TESTING FOR VETERINARY LABORATORIES	
	SCHEME:	PRNP goat genotyping	
	ID	GG21	
	DISTRIBUTION DATE:	xx/11/2021	
Method used			
Please, fill ONLY the grey cells in tables below			
Laboratory ID	Date of receipt		Date of testing
Sample ID	Codon 146 Genotype	Codon 222 Genotype	Comments
GG2115			
GG2116	N/N		
GG2117	N/S		
GG2118	S/S		
GG2119	N/D		
	D/D		



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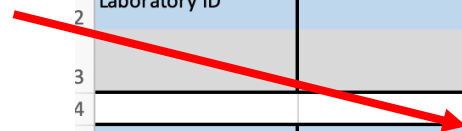
Proficiency testing for PRNP Genotyping in goat **PTGG21**



Submission file (excel format):

- Identification of the PT scheme
- Laboratory ID
- Test method info
- Results
 - Results and comments for each sample
 (drop-down menu to select the result)

A	B	C	D
		TSE EURL Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino Istituto Superiore di Sanità – Roma	
		PROFICIENCY TESTING FOR VETERINARY LABORATORIES	
SCHEME:		PRNP goat genotyping	
ID		GG21	
DISTRIBUTION DATE:		xx/11/2021	
Method used			
Please, fill ONLY the grey cells in tables below			
Laboratory ID	Date of receipt		Date of testing
Sample ID	Codon 146 Genotype	Codon 222 Genotype	Comments
GG2115			
GG2116		Q/Q	
GG2117		Q/K	
GG2118		K/K	
GG2119			



Please, choose one of the suggested genotypes



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Istituto Superiore di Sanità - Rome

EQA rounds

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Contact details

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Technical aspect of Discriminatory Western blotting of small ruminants and BSE Classification

Contact details

Laura Pirisinu

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Technical aspect of Sheep and Goat PRNP genotyping

Contact details

Barbara Chiappini

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barbara.chiappini@iss.it



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Barbara Chiappini
Alfredo Caggiano
Elena Esposito
Geraldina Riccardi
Michela Conte
Jessica Del Bravo

IZPLVdA

Giuseppe Ru
Francesco Ingravalle
Elena Bozzetta
Maria Mazza

Thank to all participants



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