

Results Tabulation for Confirmatory Immunoblot test

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PROFICIENCY TESTING FOR VETERINARY LABORATORIES

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Table 1. General information about 'routine' methods applied by the participants in the WS24 PT

NRL ID code	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Exp. date	Positive Control 1 result	Positive Control 2 result	Negative Control 1 result	Negative Control 2 result	Negative Control 3 result	Negative Control 4 result	Positive Cut Off value
034	TeSeE Western Blot	3J0053	22/01/2025	-	24062610	24/10/2025	Positive	ELISA: 3.249 and 3.268	Negative	ELISA: 0.007, 0.011, 0.008, 0.008	ELISA: 0.007, 0.011, 0.008, 0.008	ELISA: 0.007, 0.011, 0.008, 0.008	-
159	TeSeE Western Blot	4J0055	29/10/2025	4–15% Mini-PROTEAN® TGX™ Precast Protein Gels	64635351	02/09/2025	Positive	Positive	Negative	None	None	None	None
274	SAF-immunoblotting method	4J0055	29/10/2025	CRITERION XT PRECAST GEL	64633691	20/08/2025	NONE	NONE	NONE	NONE	NONE	NONE	-
377	The APHA Bio-Rad TeSeE-based Hybrid Western Blot Method	3J0053	22/01/2025	XT Criterion	64584681	14/11/2024	Positive	-	Negative	-	-	-	-
384	TeSeE Western Blot	3J0053	22/01/2025	XT Criterion	64584681	14/11/2024	Positive	Positive	Negative	Negative	Negative	Negative	-
453	TeSeE Western Blot	3M0054	09/04/2025	-	-	-	Positive	ELISA: 3.249 and 3.268	Negative	ELISA: 0.007, 0.011, 0.008, 0.008	ELISA: 0.007, 0.011, 0.008, 0.008	ELISA: 0.007, 0.011, 0.008, 0.008	-
454	TeSeE Western Blot	-	-	-	-	-	Pos	Pos	Neg	Neg	Neg	Neg	NA
504	TeSeE Western Blot	4J0055	29/10/2025	BioRad	64607421	25/03/2025	-	-	-	-	-	-	-
509	TeSeE Western Blot	4J0055	29/10/2025	Criterion™ XT Precast Gel	64617220	21/05/2025	2.097	2.279	0.011	0.014	0.010	0.100	0.199
519	TeSeE Western Blot	3J0053	22/01/2025	Nu PAGE 12% Bis-Tris Gel	24022770	26/06/2025	'+ve	'++ve	'-ve	'-ve	'-ve	'-ve	-

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673	in House SAF- (OIE) Immunoblot	NA	-	Self-cast Gel	NA	-	Positive	NA	Negative	NA	NA	NA	NA
674	TeSeE Western Blot	-	-	-	-	-	Positive	Positive	Negative	Negative	Negative	Negative	-
797	TeSeE Western Blot	3M0054	10/04/2025	10 wells NuPage (Invitrogen)	24051311	10/09/2025	Classical scrapie WB signal	No 2nd positive control was used	No WB signal	No 2nd negative control was used	No 3rd negative control was used	No 4th negative control was used	-
804	TeSeE Western Blot	2K0047	22/01/2025	Bio-Rad TGX 12%	64441057	23/02/2025	Positive	Na	Negative	Na	Na	Na	-
832	TeSeE Western Blot	3M0054	09/04/2025	Home made	-	-	2.038	1.983	0.008	0.008	0.013	0.006	0.196- 0.217
856	TeSeE Western Blot	4J0055	29/10/2025	CRITERION XT PRECAST GEL	64633691	20/08/2025	NONE	NONE	NONE	NONE	NONE	NONE	
895	TeSeE Western Blot	3J0053	22/01/2025	NuPage Bis-Tris 12%	23090571	02/01/2025	Positive	-	Negative	-	-	-	-
946	TeSeE Western Blot	4J0055	29/10/2025	NuPAGE 12% Bis- Tris Gel	24011711	16/05/2025	3.408	9.000	0.023	0.017	0.020	0.022	0.230
950	TeSeE Western Blot	3J0053	22/01/2025	NuPAGE Invitrogen 12% Bis-Tris	24032510	23/07/2025	Positive	Positive	Negative	Negative	Negative	Negative	-
112	TeSeE Western Blot	3J0053	22/01/2025	Criterion	64626103	15/07/2025	Valid	Positivity and profile	No negative control	No negative control	No negative control	No negative control	-
251 164 (*)	TeSeE Western Blot	4J0055	29/10/2025	GEL CRITERION XT	64626103	15/07/2025	2.914	2.924	0.039	0.035	-	-	0.217

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Table 2. General information about '1st alternative' methods applied by the participants in the WS24 PT

NRL ID code	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control 1 result	Positive Control 2 result	Negative Control 1 result	Negative Control 2 result	Negative Control 3 result	Negative Control 4 result	Positive Cut Off value
274	TeSeE Western Blot	3J0053	22/01/2025	Nu-PAGE 12% minigel (Invitrogen)	24022210	21/06/2025	Positive	NA	Negative	NA	NA	NA	NA

Table 5. Results submitted by the participants in the WS24 PT applying 'routine' methods

NRL ID code	Test Method used	WS2401 Interpretation	WS2401 Characterisation	WS2402 Interpretation	WS2402 Characterisation	WS2403 Interpretation	WS2403 Characterisation	WS2404 Interpretation	WS2404 Characterisation	WS2405 Interpretation	WS2405 Characterisation
Intended --->		Negative ovine tissue homogenate		Classical Scrapie ovine tissue homogenate		Negative ovine tissue homogenate		Negative ovine tissue homogenate		Negative ovine tissue homogenate	
034	TeSeE Western Blot	negative	-	negative	-	Medium positive	-	negative	-	negative	-
159	TeSeE Western Blot	negative	0.046	Strong positive	1.711	negative	0.049	negative	0.043	negative	0.039
112	TeSeE Western Blot	negative	-	Strong positive	-	negative	--	negative	-	negative	-

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274	SAF-immunoblotting method	negative	-	Medium positive	-	negative	--	negative	-	negative	-
377	The APHA Bio-Rad TeSeE-based Hybrid Western Blot Method	negative	-	Medium positive	-	negative	-	negative	-	negative	-
384	TeSeE Western Blot	negative	0.038	Medium positive	2.789	negative	0.033	negative	0.032	negative	0.033
453	TeSeE Western Blot	negative	0.020	Weak positive	0.829	negative	0.019	negative	0.017	negative	0.019
454	TeSeE Western Blot	negative	-	Strong positive	-	negative	-	negative	-	negative	-
504	TeSeE Western Blot	negative	-	Weak positive	-	negative	-	negative	-	negative	-
509	TeSeE Western Blot	Medium positive	-	Medium positive	-	negative	-	Weak positive	-	negative	-
519	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-

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673	in House SAF-(OIE) Immunob.	negative	-	Medium positive	-	negative	-	negative	-	negative	-
674	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-
797	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-
804	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-
832	TeSeE Western Blot	negative	0.015	Weak positive	1.172	negative	0.016	negative	0.016	negative	0.017
856	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-
895	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-
946	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-
950	TeSeE Western Blot	negative	-	Weak positive	-	negative	-	negative	--	negative	-
251 164 (*)	TeSeE Western Blot	negative	0.047	Strong positive	2.445	negative	0.051	negative	0.050	negative	0.058

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Table 5. Results submitted by the participants in the WS24 PT applying '1st alternative' methods

NRL ID code	Test Method used	WS2401 Interpretation	WS2401 Characterisation	WS2402 Interpretation	WS2402 Characterisation	WS2403 Interpretation	WS2403 Characterisation	WS2404 Interpretation	WS2404 Characterisation	WS2405 Interpretation	WS2405 Characterisation
Intended -->		Negative ovine tissue homogenate		Classical Scrapie ovine tissue homogenate		Negative ovine tissue homogenate		Negative ovine tissue homogenate		Negative ovine tissue homogenate	
274	TeSeE Western Blot	negative	-	Medium positive	-	negative	-	negative	-	negative	-

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Comments provided by Maria Mazza, IZSPLVA - Turin (maria.mazza@izsplv.it)

WS2401 - Negative ovine tissue homogenate

All laboratories reported the correct result except lab. 509 that interpreted it as positive.

WS2402 – Classical Scrapie ovine tissue homogenate

All laboratories reported the correct result except lab.034 that interpreted it as negative.

WS2403 - Negative ovine tissue homogenate

All laboratories reported the correct result except the lab. 034 that interpreted it as positive.

WS2404 - Negative ovine tissue homogenate

All laboratories reported the correct result except the lab. 509 that interpreted it as positive.

WS2405 - Negative ovine tissue homogenate

All laboratories reported the correct result.

- ✚ The laboratories 034 and 509 did not pass this first round.
- ✚ The laboratory 414 submitted the results after the deadline so they are not included in this report.
- ✚ (*) The laboratory 164 entered the incorrect ID code instead of the correct code 251.
- ✚ The Laboratories 674 and 454 did not provide any information on the kit and gel used for this PT.
- ✚ The laboratory 453 did not report any information on the gel used for this PT.
- ✚ The laboratory 504 did not use any control sample for the analysis.

Remarks - It is requested that the results be submitted by the scheduled deadline. If this is not possible for serious reasons, please notify EURL TSE staff immediately by e-mail. It is strongly recommended that all required data be entered into the form when submitting results. First and second test results alternative to the routine method should be submitted by filling out a second or third form, respectively.

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Conclusions provided by Maria Mazza, IZSPLVA - Turin (maria.mazza@izsplv.it)

Unfortunately, laboratories 034 and 509 failed this Proficiency Testing in the first round.

In summary, all laboratories passed this PT in the first round, except laboratories 034 and 509 which succeeded in passing the second round. Well done.

The information contained in this Report must be considered confidential

Date: 24th March 2025

Dr. Elena Bozzetta, Coordinator of TSE EURL

Elena Bozzetta

Dr. Giuseppe Ru, Director of TSE EURL

Firmato digitalmente da:

Ru Giuseppe

Firmato il 01/04/2025 16:05

Seriale Certificato: 3441766

Valido dal 02/04/2024 al 02/04/2027

InfoCamere Qualified Electronic Signature CA

END OF REPORT

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