

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 WS25 PT

NRL ID code	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control1 result	Positive Control2 result	Positive Control3 result	Positive Control4 result	Negative Control1 result	Negative Control2 result	Negative Control3 result	Negative Control4 result	Positive Cut Off value	Methods details
034	TeSeE Western Blot	5C0057	12/08/2026	Not reported	25100810	05/02/2027	Positive	Positive	---	---	Negative	Negative	---	---	---	---
112	TeSeE Western Blot	5C0057	12/08/2026	Criterion	64703639	23/09/2026	Valid	Positivity and profile	---	---	---	---	---	---	---	---
159	TeSeE Western Blot	4M0056	23/04/2026	4–15% Mini-PROTEAN® TGX™ Precast Protein Gels	64674926	06/04/2026	Positive	Positive	---	---	Negative	None	None	None	None	---
251	TeSeE Western Blot	5C0057	12/08/2026	Criterion	64691371	22/07/2026	---	---	---	---	---	---	---	---	---	---
274	in house method	Not reported	Not reported	Not reported	Not reported	Not reported	Positive	NA	---	---	Negative	NA	NA	NA	NA	---
377	The APHA Bio-Rad TeSeE-based Hybrid Western Blot Method	4M0056	22/04/2026	Not reported	Not reported	Not reported	Positive	Positive	---	---	---	---	---	---	---	---
384	TeSeE Western Blot	4M0056	23/04/2026	CRITERION XT BIORAD	64691371	23/07/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	NA	---
414	TeSeE Western Blot	4J0055	29/10/2025	Bio-rad Criterion XT	64641301	29/10/2025	Scrapie positive	BSE positive	---	---	Negative	NA	NA	NA	---	---
453	TeSeE Western Blot	4M0056	23/04/2026	Not reported	Not reported	Not reported	Positive	Positive	---	---	Negative	Negative	Negative	Negative	---	---

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454	TeSeE Western Blot	Not reported	Not reported	Not reported	Not reported	Not reported	Positive	NA	---	---	Negative	NA	NA	NA	NA	---
504	TeSeE Western Blot	4M0056	23/04/2026	BioRad	64674731	07/04/2026	---	---	---	---	---	---	---	---	NA	---
509	TeSeE Western Blot	5C0057	12/08/2026	CriterionTM XT Precast Gel	64703639	24/09/2026	---	---	---	---	---	---	---	---	---	---
519	TeSeE Western Blot	5C0057	12/08/2026	12% Bis-Tris	25022810	29/06/2026	Positive	Positive	---	---	---	Negative	Negative	Negative	None	---
673	in House SAF-(OIE) Immunoblot	NA	---	Self-cast Gel	NA	---	---	NA	---	---	Negative	NA	NA	NA	NA	---
674	TeSeE Western Blot	4M0056	23/04/2026	Criterion	4M0056	22/04/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	NA	---
797	TeSeE Western Blot	5C0057	12/08/2026	Invitrogen 10 wells	25040110	30/07/2026	SP38-49 = Clear positive, expected classical scrapie pattern	---	---	---	SN21-01 = Clear negative as expected	---	---	---	---	---
804	TeSeE Western Blot	4M0056	23/04/2026	Bio-Rad TGX 12%	64685581	09/06/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	---	---
832	TeSeE Western Blot	5C0057	12/08/2026	Home made	---	---	---	---	---	---	---	---	---	---	---	---
856	TeSeE Western Blot	5C0057	12/08/2026	CRITERION XT PRECAST GEL	64703639	23/09/2026	None	None	---	---	None	None	None	None	None	---

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895	TeSeE Western Blot	5C0057	12/08/2026	NuPage Bis-Tris 12%	25060210	01/10/2026	Positive	---	---	---	Negative	---	---	---	NA	---
946	TeSeE Western Blot	5C0057	12/08/2026	NuPAGE 12% Bis- Tris Gel	25031770	15/07/2026	---	---	---	---	---	---	---	---	---	---
950	TeSeE Western Blot	4M0056	23/04/2026	NuPAGE Invitrogen 12% Bis-Tris	24092610	24/01/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	---	---

Table 2. General information about '1st alternative' methods applied by the participants in the WS25 PT

NRL ID code	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control1 result	Positive Control2 result	Positive Control3 result	Positive Control4 result	Negative Control1 result	Negative Control2 result	Negative Control3 result	Negative Control4 result	Positive Cut Off value	Methods details
274	TeSeE Western Blot	Not reported	Not reported	Not reported	Not reported	Not reported	Positive	NA	---	---	Negative	NA	NA	NA	NA	---

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Table 3. Results submitted by the participants in the WS25 PT applying 'routine' methods

NRL ID code	Test Method used	WS2501 Interpretation	WS2501 Characterisation	WS2502 Interpretation	WS2502 Characterisation	WS2503 Interpretation	WS2503 Characterisation	WS2504 Interpretation	WS2504 Characterisation	WS2505 Interpretation	WS2505 Characterisation
Intended --->		Negative ovine Tissue Homogenate		Classical SCRAPIE POSITIVE Ovine Tissue Homogenate - Dilution 1:20		Classical SCRAPIE POSITIVE Ovine Tissue Homogenate - Dilution 1:10		Classical SCRAPIE POSITIVE Ovine Tissue Homogenate - Dilution 1:20		Negative ovine Tissue Homogenate	
034	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	weak_positive	Classical Scrapie	negative	---
112	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
159	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
251	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
274	in house method	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
377	The APHA Bio-Rad TeSeE-based Hybrid Western Blot Method	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
384	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---

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414	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	medium_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
453	TeSeE Western Blot	negative	---	weak_positive	Classical Scrapie	strong_positive	Classical Scrapie	weak_positive	Classical Scrapie	negative	---
454	TeSeE Western Blot	negative	---	strong_positive	Classical Scrapie	strong_positive	Classical Scrapie	strong_positive	Classical Scrapie	negative	---
504	TeSeE Western Blot	negative	---	weak_positive	Classical Scrapie	medium_positive	Classical Scrapie	weak_positive	Classical Scrapie	negative	---
509	TeSeE Western Blot	negative	---	medium_positive	Not reported	strong_positive	Not reported	weak_positive	Not reported	negative	---
519	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
673	in House SAF-(OIE) Immunoblot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	weak_positive	Classical Scrapie	negative	---
674	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
797	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
804	TeSeE Western Blot	negative	---	weak_positive	Classical Scrapie	medium_positive	Classical Scrapie	weak_positive	Classical Scrapie	negative	---
832	TeSeE Western Blot	negative	---	weak_positive	Classical Scrapie	strong_positive	Classical Scrapie	weak_positive	Classical Scrapie	negative	---

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856	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
895	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
946	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---
950	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---

Table 4. Results submitted by the participants in the WS25 PT applying '1st alternative' methods

NRL ID code	Test Method used	WS2501 Interpretation	WS2501 Characterisation	WS2502 Interpretation	WS2502 Characterisation	WS2503 Interpretation	WS2503 Characterisation	WS2504 Interpretation	WS2504 Characterisation	WS2505 Interpretation	WS2505 Characterisation	Gel Type
Intended -->		Negative ovine Tissue Homogenate		Classical SCRAPIE POSITIVE Ovine Tissue Homogenate		Classical SCRAPIE POSITIVE Ovine Tissue Homogenate		Classical SCRAPIE POSITIVE Ovine Tissue Homogenate		Negative ovine Tissue Homogenate		
274	TeSeE Western Blot	negative	---	medium_positive	Classical Scrapie	strong_positive	Classical Scrapie	medium_positive	Classical Scrapie	negative	---	

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### Comments and conclusions provided by Maria Mazza, IZSPLVA - Turin ([maria.mazza@izsplv.it](mailto:maria.mazza@izsplv.it))

#### **WS2501 - Negative ovine tissue homogenate**

All laboratories reported the correct result.

#### **WS2502 -Classical Scrapie positive ovine tissue homogenate**

All laboratories reported the correct result.

#### **WS2503 -Classical Scrapie positive ovine tissue homogenate**

All laboratories reported the correct result.

#### **WS2504 -Classical Scrapie positive ovine tissue homogenate**

All laboratories reported the correct result.

#### **WS2505 - Negative ovine tissue homogenate**

All laboratories reported the correct result.

### Conclusions

Laboratory 414 used the TeSeE WB kit and gel after their expiry date but, despite the results submitted were compliant, we recommend using reagents that have not expired. Additionally, although not mandatory, it would be preferable to provide information on the batches and their expiry dates for both the kits and the gels.

**In summary all laboratories have passed this PT round. Well done.**

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*The information contained in this Report must be considered confidential*

Date: 9<sup>th</sup> April 2026

Dr. Giuseppe Ru, Director of TSE EURL

Dr. Elena Bozzetta, Coordinator of TSE EURL

**END OF REPORT**

**Copia controllata**