

Results Tabulation for Confirmatory Immunoblot test

MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 1 di 8	DATA:



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## PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Confirmatory Immunoblot test- Scheme: WB25	Report No. 07/2026	Distribution date: 24 November 2025
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Table 1. General information about 'routine' methods applied by the participants in the WB25 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
052	TeSeE Western Blot	4M0056	23/04/2026	Not reported	Not reported	Not reported	Positive	Positive	---	---	Negative	Negative	Negative	Negative	---	---
055	TeSeE Western Blot	4M0056	23/04/2026	4-15% Mini-PROTEAN® TGX™ Precast Protein Gels	64674926	07/04/2026	Positive	Positive	---	---	Negative	None	None	None	None	---
092	TeSeE Western Blot	Not reported	Not reported	Not reported	Not reported	Not reported	Positive	NA	---	---	Negative	NA	NA	NA	NA	---
117	TeSeE Western Blot	5C0057	12/08/2026	CRITERION XT PRECAST GEL	64703639	24/09/2026	None	None	---	---	None	None	None	None	None	---
157	TeSeE Western Blot	4M0056	23/04/2026	CRITERION XT BIORAD	64691371	23/07/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	NA	---
196	TeSeE Western Blot	5C0057	12/08/2026	GEL CRITERION XT	64691371	23/07/2026	---	---	---	---	---	---	---	---	---	---
224	TeSeE Western Blot	4M0056	23/04/2026	Bio-Rad TGX 12%	64685581	10/06/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	---	---
239	TeSeE Western Blot	5C0057	12/08/2026	Not reported	25100810	06/02/2027	Weak pos	Weak pos	---	---	Negative	Negative	---	---	---	---
283	TeSeE Western Blot	5C0057	12/08/2026	Home made	---	---	---	---	---	---	---	---	---	---	---	---
292	TeSeE Western Blot	5C0057	12/08/2026	Invitrogen 10 wells	25040110	31/07/2026	BP37-11 = Clear positive, expected BSE-C pattern	---	---	---	BN31-07 = Clear negative as expected	---	---	---	NA	---
342	TeSeE Western Blot	4M0056	23/04/2026	NuPAGE Invitrogen 12% Bis-Tris	24092610	25/01/2026	Positive	Positive	---	---	Negative	Negative	Negative	Negative	---	---



Results Tabulation for Confirmatory Immunoblot test

MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 3 di 8	DATA:



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## PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Confirmatory Immunoblot test- Scheme: WB25	Report No. 07/2026	Distribution date: 24 November 2025
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Table 2. General information about '1st alternative' methods applied by the participants in the WB25 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
292	TeSeE SAP Combi	5C0097	13/02/2026	---	---	---	2.435	2.448	---	---	0.013	0.010	0.022	0.021	0.227	BP37-12 was included as BSE-C positive control. OD = 3.321 and 3.184. BN31-07 was included as cattle negative control. OD = 0.010 and -0.003
792	TeSeE Western Blot	Not reported	Not reported	Not reported	Not reported	Not reported	Positive	NA	---	---	Negative	NA	NA	NA	NA	---

Table 3. General information about '2nd alternative' methods applied by the participants in the WB25 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
292	HerdCheck BSE/Scrapie Ag – ultrashort protocol	AZ650	22/01/2026	---	---	---	Over (3.5)	Over (3.5)	---	---	0.024	0.014	---	---	0.139	3.5 is the upper limit OD detected by our spectrophotometer. BP37-05 was included as BSE-C positive control (OD = 3.259 and 3.218). BP31-07 was included as cattle negative control (OD = 0.018 and 0.024).

Results Tabulation for Confirmatory Immunoblot test

MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 4 di 8	DATA:



TSE EURL  
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## PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Confirmatory Immunoblot test- Scheme: WB25	Report No. 07/2026	Distribution date: 24 November 2025
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Table 4. Results submitted by the participants in the WB25 PT applying 'routine' methods

NRL ID code	Test Method used	WB2501 Interpretation	WB2501 Characterisation	WB2502 Interpretation	WB2502 Characterisation	WB2503 Interpretation	WB2503 Characterisation	WB2504 Interpretation	WB2504 Characterisation	WB2505 Interpretation	WB2505 Characterisation
Intended -->		C-POSITIVE Bovine Tissue Homogenate		C-POSITIVE Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate	
052	TeSeE Western Blot	medium_positive	---	medium_positive	---	negative	---	negative	---	negative	---
055	TeSeE Western Blot	strong_positive	---	strong_positive	---	negative	---	negative	---	negative	---
092	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
117	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
157	TeSeE Western Blot	strong_positive	---	strong_positive	---	negative	---	negative	---	negative	---
196	TeSeE Western Blot	strong_positive	---	strong_positive	---	negative	---	negative	---	negative	---
224	TeSeE Western Blot	weak_positive	---	medium_positive	---	negative	---	negative	---	negative	---
239	TeSeE Western Blot	strong_positive	---	strong_positive	---	negative	---	negative	---	negative	---
283	TeSeE Western Blot	weak_positive	---	medium_positive	---	negative	---	negative	---	negative	---
292	TeSeE Western Blot	strong_positive	---	strong_positive	---	negative	---	negative	---	negative	---
342	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
450	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
495	TeSeE Western Blot	medium_positive	---	medium_positive	---	negative	---	negative	---	negative	---
633	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---

Results Tabulation for Confirmatory Immunoblot test

MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 5 di 8	DATA:



TSE EURL  
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## PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Confirmatory Immunoblot test- Scheme: WB25	Report No. 07/2026	Distribution date: 24 November 2025
--	--------------------	-------------------------------------

648	SAF- (WHOAI)- Immunoblot	medium_positive	---	medium_positive	---	negative	---	negative	---	negative	---
717	TeSeE Western Blot	medium_positive	---	medium_positive	---	negative	---	negative	---	negative	---
730	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
748	TeSeE Western Blot	medium_positive	---	medium_positive	---	negative	---	negative	---	negative	---
792	in house method	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
899	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---
991	TeSeE Western Blot	medium_positive	---	medium_positive	---	negative	---	negative	---	negative	---

Table 5. Results submitted by the participants in the WB25 PT applying '1st alternative' methods

NRL ID code	Test Method used	WB2501 Interpretation	WB2501 OD results	WB2502 Interpretation	WB2502 OD results	WB2503 Interpretation	WB2503 OD results	WB2504 Interpretation	WB2504 OD results	WB2505 Interpretation	WB2505 OD results
Intended - -->		C-POSITIVE Bovine Tissue Homogenate		C-POSITIVE Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate	
292	TeSeE SAP Combi	medium_positive	1.931 and 1.490	medium_positive	2.399 and 2.316	negative	0.028 and 0.032	negative	0.014 and 0.022	negative	0.006 and 0.026
792	TeSeE Western Blot	medium_positive	---	strong_positive	---	negative	---	negative	---	negative	---

Results Tabulation for Confirmatory Immunoblot test

MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 6 di 8	DATA:



TSE EURL  
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## PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Confirmatory Immunoblot test- Scheme: WB25	Report No. 07/2026	Distribution date: 24 November 2025
--	--------------------	-------------------------------------

Table 6. Results submitted by the participants in the WB25 PT applying '2nd alternative' methods

NRL ID code	Test Method used	WB2501 Interpretation	WB2501 OD results	WB2502 Interpretation	WB2502 OD results	WB2503 Interpretation	WB2503 OD results	WB2504 Interpretation	WB2504 OD results	WB2505 Interpretation	WB2505 OD results
Intended - -->		C-POSITIVE Bovine Tissue Homogenate		C-POSITIVE Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate		Negative Bovine Tissue Homogenate	
292	HerdCheck BSE/Scrapie Ag – ultrashort protocol	strong_positive	2.979 and 2.820	strong_positive	3.427 and over (3.5)	negative	0.030 and 0.029	negative	0.029 and 0.028	negative	0.019 and 0.021

Results Tabulation for Confirmatory Immunoblot test

MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 7 di 8	DATA:



TSE EURL  
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Results Tabulation for Confirmatory Immunoblot test- Scheme: WB25	Report No. 07/2026	Distribution date: 24 November 2025
--	--------------------	-------------------------------------

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

#### WB2501 - C-POSITIVE Bovine Tissue Homogenate

All laboratories reported the correct result.

#### WB2502 - C-POSITIVE Bovine Tissue Homogenate

All laboratories reported the correct result.

#### WB2503 - Negative Bovine Tissue Homogenate

All laboratories reported the correct result.

#### WB2504 - Negative Bovine Tissue Homogenate

All laboratories reported the correct result.

#### WB2505 - Negative Bovine Tissue Homogenate

All laboratories reported the correct result.

### Conclusions

Laboratory 450 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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MOD. N°	40IZ477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DG010	PAGINA 8 di 8	DATA:



TSE EURL  
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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**