

Results Tabulation for Confirmatory Immunoblot test

MOD. N°	401Z477	ED/REV. 00/01	STRUTTURA/UO:
PGS. N°	10DGO10	PAGINA 1 di 8	DATA:



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PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Confirmatory Immunoblot test- Scheme: WS23	Report No. 12/2023	Distribution date: 17 <sup>th</sup> -18 <sup>th</sup> July 2023
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Table 1. General information about 'routine' methods applied by the participants in the WS23 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	Negative Control1 result	Negative Control2 result	Negative Control3 result	Negative Control4 result	Positive Cut Off value	Methods details
034	SAF Western blot	#	#	NuPage	22090910	07/01/2024	Positive	Positive	Negative	Negative	Negative	Negative		
053	TeSeE Western Blot	2K0051	20/03/2024	Invitrogen	22110810	07/03/2024	Positive	Positive	Negative	Negative	Negative	Negative		
159	TeSeE Western Blot	1K 0051	22/03/2023	4-15% Mini-PROTEAN® TGX™ Precast Protein Gels	64502327	20/04/2024	Positive Scrape	Positive No:98	Negative	None	None	None	none	Alternative test IDEXX short protocol
164	The APHA Bio-Rad TeSeE-based Hybrid Western Blotting Method	2K0051	20/03/2024	Criterion XT	64542613	10/03/2024	Sha31: POS++++ (BSE) / POS++++ (SCR 1:10)	P4: NEG-(BSE) / POS++++ (SCR 1:10)	Sha31: NEG-NEG-	P4: NEG-	#	#	#	#
453	TeSeE Western Blot	2H0050	27/12/2023	Home made	#	#	Positive	Weak positive	Negative	#	#	#	#	
235	SAF-Immunoblot (in-house method)	#	#	Bis-Tris gel 12% Thermofisher	23012010	19/05/2023	Weak positive, classical Scrape	Na	Negative; no bands	#	#	#	#	
302	TeSeE Western Blot	2H0050	27/12/2023	NuPage Bis Tris 12 %	22081111	09/12/2023	3.509	3.549	0.019	0.020	Negative	Negative	0.200	Positive and negative control results, and cut-off value are obtained from rapid test that was also additionally used.
377	APHA Bio-Rad TeSeE-based Hybrid Western blot method	2K0051	20/03/2024	#	#	#	Medium pos	Medium pos	Negative	#	#	#	#	





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Table 4. Results submitted by the participants in the WS23 PT applying 'routine' methods

NRL ID code	Test Method used	WS2301	WS2301	WS2302	WS2302	WS2303	WS2303	WS2304	WS2304	WS2305	WS2305
		Interpretation	Characterisation	Interpretation	Characterisation	Interpretation	Characterisation	Interpretation	Characterisation	Interpretation	Characterisation
Intende d ---->		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:4	Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:4	Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:2	Classical SCRAPIE POSITIVE ovine Tissue Homogenate	TSE Negative ovine Homogenate	TSE Negative ovine Tissue Homogenate	TSE Negative ovine Homogenate	TSE Negative ovine Tissue Homogenate	Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:4	
034	SAF Western blot	strong_positive		strong_positive		negative		negative		strong_positive	
053	TeSeE Western Blot	medium_positive		strong_positive		negative		negative		medium_positive	
159	TeSeE Western Blot	medium_positive	2.670	strong_positive	3.485	negative	0.059	negative	0.074	medium_positive	2.166
164	The ALPHA Bio-Rad TeSeE-based Hybrid Western Blotting Method	strong_positive		strong_positive		negative		negative		strong_positive	
453	TeSeE Western Blot	medium_positive		medium_positive		negative		negative		weak_positive	
235	SAF-Immunoblot (in-house method)	medium_positive		medium_positive		negative		negative		medium_positive	
302	TeSeE Western Blot	strong_positive	2.633	strong_positive	3.558	negative		negative		strong_positive	2.586
377	APHA Bio-Rad TeSeE-based Hybrid Western blot method	medium_positive		medium_positive		negative		negative		medium_positive	
384	TeSeE Western Blot	strong_positive	3.825	strong_positive	3.999	negative	0.033	negative	0.034	strong_positive	3.912; 3.999

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414	TesEe Western Blot	strong_positive	strong_positive	strong_positive	negative	negative	negative	medium_positive	
454	TesEe Western Blot	medium_positive	strong_positive	strong_positive	negative	negative	negative	medium_positive	
504	TesEe Western Blot	medium_positive	medium_positive	medium_positive	negative	negative	negative	medium_positive	
509	TesEe Western Blot	weak_positive	strong_positive	strong_positive	negative	negative	negative	medium_positive	
519	TesEe Western Blot	medium_positive	strong_positive	strong_positive	negative	negative	negative	strong_positive	
524	TesEe WB modified (LYO/INS/0097)	strong_positive	strong_positive	strong_positive	negative	negative	negative	strong_positive	
673	OIE Immunoblot	medium_positive	medium_positive	medium_positive	negative	negative	negative	weak_positive	
674	TesEe Western Blot	medium_positive	medium_positive	medium_positive	negative	negative	negative	medium_positive	
804	TesEe Western Blot	medium_positive	medium_positive	medium_positive	negative	negative	negative	weak_positive	
832	TesEe Western Blot	weak_positive	medium_positive	medium_positive	negative	negative	negative	weak_positive	1.209
856	TesEe Western Blot	medium_positive	strong_positive	strong_positive	negative	negative	negative	medium_positive	
895	TesEe Western Blot	medium_positive	strong_positive	strong_positive	negative	negative	negative	medium_positive	
946	TesEe Western Blot	medium_positive	medium_positive	medium_positive	negative	negative	negative	medium_positive	1.571
950	TesEe Western Blot	medium_positive	strong_positive	strong_positive	negative	negative	negative	medium_positive	



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Comments provided by Pier Luigi Acutis, IZSP/LVA - Turin (pierluigi.acutis@izsto.it)

Sample WS2301 = Sample WS2305

Sample WS2303 = Sample WS2304

**WS2301: Classical Scrapie ovine tissue homogenate - Dilution 1:4**

All laboratories reported the correct result.

**WS2302: Classical Scrapie ovine tissue homogenate - Dilution 1:2**

All laboratories reported the correct result.

**WS2303: TSE negative ovine tissue homogenate**

All laboratories reported the correct result.

**WS2304: TSE negative ovine tissue homogenate**

All laboratories reported the correct result.

**WS2305: Classical Scrapie ovine tissue homogenate - Dilution 1:4**

All laboratories reported the correct result.

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Conclusions provided by Pier Luigi Acutis, IZSPLVA - Turin (pierluigi.acutis@izsto.it)

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

The information contained in this Report must be considered confidential

Date: 02/02/2024

Dr. Giuseppe Ru, Director of TSE EURL

Dr. Elena Bozzetta, Coordinator of TSE EURL

END OF REPORT

Copia controllata