TSE EURL
Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta – Torino
Istituto Superiore di Sanità – Roma

PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results tabulation for PT DS25: Discriminatory western blot in small ruminant

Distribution date: 27/10/2025

Lab. ID	Date of receipt	Date of testing	Test method used	Kit Manufacturer	Batch	Expiry date	Antibodies used	Batch	Expiry date
41	30/10/2025	21/11/2025	Bio-Rad Discriminatory Test (based on the CEA Discriminatory Western blot Method)	BIORAD	4J0039	04/11/2025	CONTROLAb/TEST Ab	4F0039	03/12/2025
							AbII	4F0039	02/12/2025
66	29/10/2025	14/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	BIO RAD	5C0057	12/08/2026	Anti PrP Mab	5C0057	08/10/2026
							mAb P4	6430924	11/09/2026
118	29/10/2025	11/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	BioRad	4M0056	23/04/2026	SHA 31 and P4	4Moo56/7491022	02/06/2026
							H&L HRP Goat anti mouse	64498212	28/02/2028
182	29/10/2025	18/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Bio-Rad	4M0056	23/04/2026	Sha31	4M0056	23/04/2026
							P4	350315	31/12/2027
188	29/10/2025	20/11/2025	Bio-Rad Discriminatory Test (based on the CEA Discriminatory Western blot Method)	BioRad	4J0039	04/11/2025	Ab Test/Ab Control	4J0039	04/11/2025
							Ab II	4J0039	04/11/2025
188*	29/10/2025	18/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	BioRad	5C0057	12/08/2025	P4	6430924	10/09/2026
							Ab2(Goat anti-mouse IgG)	64498211	13/07/2025
348	29/10/2025	07/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Bio-Rad	5C0057	12/08/2026	Sha31 (included in the TeSeE Western Blot Kit)	5C0057	08/10/2026
							P4 (r-biopharm)	7491022	30/09/2026
348*	29/10/2025	03/11/2025	Bio-Rad Discriminatory Test (based on the CEA Discriminatory Western blot Method)	Bio-Rad	4J0039	04/11/2025	Control (included in the kit)	4J0039	04/11/2025
							Test (included in the kit)	4J0039	04/11/2025
366	29/10/2025	05/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Bio-Rad	4M0056	23/04/2026	Sha31 (AB I)	4M0056	02/06/2026
							P4	TSE-24-002	30/06/2022
							12B2	260313	17/06/2027
							AB II	4M0056	02/06/2026
							Goat anti Mouse HRP	64498212	10/07/2025
565	29/10/2025	24/11/2025	FLI Discriminatory Western blot Method	NA	NA	NA	L42	7951124	24/11/2029
							P4	in-house	-
601	30/10/2025	04/11/2025	ISS Discriminatory Western blot Method	-	-	-	SAF84	123	15/01/2026
							P4	7491022	01/04/2026
649	29/10/2025	21/11/2025	ANSES Discriminatory Western blot Method	BIORAD	5C0057	12/08/2026	BAR233	none	31/12/2025
							P4	none	31/12/2025
910	29/10/2025	10/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	TeSeE Western Blot Biorad	5C0057	12/08/2026	Sha31 (AbI) AbII	5C0057	08/10/2026
							P4	7491022	01/10/2026
933	29/10/2025	06/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Bio-Rad	4M0056	23/04/2026	SHA31	4M0056	02/06/2026
							P4	7491022	01/10/2026
954	29/10/2025	17/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Bio-rad	5C0057	12/08/2026	Sha31	5C0057	12/08/2026
							P4	6430924	11/09/2026
957	30/10/2025	18/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Bio-Rad	5C0057	12/08/2026	Sha31	64623236	18/06/2027
							P4	7491022	01/10/2026
985	30/10/2025	05/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	Biorad	5C0057	12/08/2026	SHA31	5C0057	08/10/2026
							P4	6430924	11/09/2026
993	29/10/2025	06/11/2025	APHA Bio-Rad TeSeE-based Hybrid Western blotting Method	BIO-RAD	5C0057	12/08/2026	SHA31	5C0057	12/08/2026
							P4	6430924	11/09/2026

***1st alternative test**

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Distribution date: 27/10/2025

Sample ID	DS2501		DS2502		DS2503		DS2504		DS2505	
Intended	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
Lab. ID	Result	Comments	Result	Comments	Result	Comments	Result	Comments	Result	Comments
41	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
66	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
118	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
182	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
188	classical scrapie	1:9 dilution with negative samples	BSE not excluded		classical scrapie	1:9 dilution with negative samples	classical scrapie	1:9 dilution with negative samples	classical scrapie	1:9 dilution with negative samples
188*	classical scrapie	1:9 dilution with negative samples	BSE not excluded		classical scrapie	1:9 dilution with negative samples	classical scrapie	1:9 dilution with negative samples	classical scrapie	1:9 dilution with negative samples
348	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
348*	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
366	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
565	classical scrapie		BSE not excluded				classical scrapie		classical scrapie	
601	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
649	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
910	classical scrapie		BSE not excluded	Positive predominance of diglycosylated and lower molecular mass migration compared to CSc Control and negative with P4	classical scrapie		classical scrapie		classical scrapie	
933	classical scrapie		BSE not excluded	Strong signal and lower molecular mass migration with SHA31. No signal with P4.	classical scrapie		classical scrapie		classical scrapie	
954	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
957	classical scrapie		BSE not excluded		classical scrapie		classical scrapie		classical scrapie	
985	classical scrapie		BSE not excluded	lower migration compared to classical scrapie and weaker signal with P4	classical scrapie		classical scrapie		classical scrapie	
993	classical scrapie	The sample gave a characteristic, identical signal with both antibodies - mAb: SHA31, mAb:P4.	BSE not excluded	The sample gave a characteristic signal with SHA31 Core antibody, but no signal with P4 terminal antibody.	classical scrapie	The sample gave a characteristic, identical signal with both antibodies - mAb: SHA31, mAb:P4.	classical scrapie	The sample gave a characteristic, identical signal with both antibodies - mAb: SHA31, mAb:P4.	classical scrapie	The sample gave a characteristic, identical signal with both antibodies - mAb: SHA31, mAb:P4.

***1st alternative test**

Comments :

Lab 188 provided the expected results; however, analysis of the raw data showed poor sensitivity and poor image quality for both methods used. It is therefore recommended that the protocols, procedures, reagents used and training of the personnel responsible for the test be reviewed.
All the laboratories have reported the samples as the intended results.

Comments provided by Clarissa Ferreri, Istituto Superiore di Sanità - Rome

Conclusion:

All the laboratories passed this PT round successfully.

Giuseppe Ru, TSE EURL Director

Firmato digitalmente da:
Ru Giuseppe
Firmato il 22/12/2025 12:30
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