

PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results tabulation for PT DB25: Discriminatory western blot in bovine

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
87	30/10/2025	03/11/2025	APHA Bio-RAD TeSeE-base Hybrid Western blotting Method	Bio-Rad	5C0057	12/08/2026	Sha31	64623236	17/06/2027
							P4	7491022	30/09/2026
127	29/10/2025	05/11/2025	APHA Biorad TeSeE based Hybrid	BioRad	4M0056	23/04/2026	SHA 31	4M0056	02/06/2026
							P4	7491022	02/06/2026
							H&L HRP Goat anti mouse	64498212	28/02/2028
313	29/10/2025	17/11/2025	ANSES WB	BIORAD for extraction	5C0057	12/08/2026	SHA31	5C0057	12/08/2026
							SAF84	4	03/02/2026
472	29/10/2025	01/12/2025	FLI-test	NA	NA	NA	L42	7951124	24/11/2029
							P4	in-house	NA
514	29/10/2025	07/11/2025	TeSeE WB kit BioRad	Bio-Rad	4M0056	23/04/2026	Sha 31	4M0056	02/06/2026
							12B2	260313	17/06/2027
							P4	TSE-24-002	30/06/2022
							SAF84	TSE-24-004	11/07/2027
							Ab II	4M0056	02/06/2026
							GaM HRP	64498212	07/10/2025
532	29/10/2025	28/11/2025	Bio-Rad Hybrid WB	Bio-Rad	4M0056	23/04/2026	Sha31	4M0056	23/04/2026
							12B2	26031PrP12B2	31/12/2026
							SAF84	222	31/12/2026
539	30/10/2025	12/11/2025	TeSeE Western Blot Kit	Biorad	5C0057	12/08/2026	SHA31	5C0057	08/10/2026
							12B2	NA	NA
688	29/10/2025	04/11/2025	APHA Bio-Rad TeSeE based hybrid Western blotting	Biorad	5C0057	12/08/2026	SHA31 (Ab I) and AbII	5C0057	08/10/2026
							P4	7491022	30/09/2026
803	30/10/2025	04/11/2025	ISS BSE Discriminatory WB	NA	NA	NA	L42	7951124	15/01/2026
							12B2	ND	25/02/2026
803*	30/10/2025	13/11/2025	APHA Biorad TeSeE-based Hybrid Western blotting method	Bio-Rad	5C0057	12/08/2026	SHA31	5C0057	08/10/2026
							12B2	ND	25/02/2026
811	29/10/2025	07/11/2025	APPROACH FOR THE PROVISIONAL CLASSIFICATION OF BOVINE TSE ISOLATES - EURL	Bio-Rad	5C0057	12/08/2026	Sha31 (included in the TeSeE WB kit)	5C0057	08/10/2026
							P4 (r-biopharm)	7491022	30/09/2026
811*	29/10/2025	20/11/2025	APPROACH FOR THE PROVISIONAL CLASSIFICATION OF BOVINE TSE ISOLATES - EURL	Bio-Rad	5C0057	12/08/2026	Sha31 (included in the TeSeE WB kit)	5C0057	08/10/2026
959	30/10/2025	17/11/2025	bio-rad apha based	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	DB2531		DB2532		DB2533		DB2534	
Intended	H-BSE		C-BSE		L-BSE		C-BSE	
Lab. ID	Result	Comments	Result	Comments	Result	Comments	Result	Comments
87	H-BSE		C-BSE		L-BSE		C-BSE	
127	H-BSE		C-BSE		L-BSE		C-BSE	
313	H-BSE		C-BSE		L-BSE		C-BSE	
472	H-BSE		C-BSE		L-BSE		C-BSE	
514	H-BSE		C-BSE		L-BSE		C-BSE	
532	H-BSE	Slightly higher molecular mass of the unglycosylated PrPd, reactivity with 12B2 and complex banding pattern with SAF84	C-BSE	Diglycosylated PrPd most prominent, no reactivity with 12B2	L-BSE	Di-and monoglycosylated PrPd of similar intensity, no reactivity with 12B2	C-BSE	Diglycosylated PrPd most prominent, no reactivity with 12B2
539	H-BSE	higher migration with core antibody and reactivity with 12B2	C-BSE		L-BSE	slightly lower migration compared with C-type and equal amounts of di- and mono-glycosyl bands	C-BSE	
688	H-BSE	High migration compared to BSE-C control and positive with P4 Mab although with weak signal	C-BSE	Predominance of Diglycosylated band and similar migration compared to BSE-C control Negative with P4 Mab	L-BSE	Predominance of monoglycosylated band and low migration compared to BSE-C control Negative with P4 Mab	C-BSE	Predominance of Diglycosylated band and similar migration compared to BSE-C control Negative with P4 Mab
803	H-BSE		C-BSE		L-BSE		C-BSE	
803*	H-BSE		C-BSE		L-BSE		C-BSE	
811	H-BSE		C-BSE		L-BSE		C-BSE	
811*	H-BSE		C-BSE		L-BSE		C-BSE	
959	H-BSE		C-BSE		L-BSE		C-BSE	

*1st alternative test

Comments :

The participants reported all 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