



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 BSE Confirmatory Immunoblot - Scheme: WB20 Distribution date:21-26-27 October 2020

BLOT	Test Method used	Kit Batch Number	Expiry Date	Gel Type	Batch	Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Sample No. WB2001			Sample No. WB2002			Sample No. WB2003			Sample No. WB2004			Sample No. WB2005		
											Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
Intended											negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
ID Lab.																									
495	TeSeE Western Blot BioRad	OC0045	29/07/2021	NuPage 12% Bis-Tris	19110670	06/03/2021	positive	negative	0	0	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
909	TeSeE Western Blot BioRad	OC0045	29/07/2021	Criterion	64314521	20/11/2020	0	0	0	0	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
605	TeSeE Western Blot BioRad	OC0045	29/07/2021	Criterion XT	64366090	04/08/2021	POS++ (1:10)	NEG-	NA	20201109-313.pdf	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	medium positive
860	TeSeE Western Blot BioRad	OC0045	29/07/2021	NuPAGE 12% Bis-Tris Gel	NU20012971	29/05/2021	three bands, positive	no band, negative	////	Confirmatory test based on the BIO-RAD kit	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
932	TeSeE Western Blot BioRad	OC0045	29/07/2021	Criterion XT 12% Bis-Tris	64316347	19/11/2020	////	////	////	Western Blot	negative	////	////	positive	////	////	negative	////	////	positive	////	////	positive	////	////
55	TeSeE Western Blot BioRad	OC0045	29/07/2021	Mini-Protean TGX gel Biorad	64337366	11/03/2021	positive	negative	////	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
322	TeSeE Western Blot BioRad	OC0045	29/07/2021	////	////	////	Positive	Negative	0.216	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
991	TeSeE Western Blot BioRad	OC0045	29/07/2021	BioRad-Criterion XT	64335990	03/03/2021	////	////	////	kit for confirmation of suspected TSE positive samples	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
704	TeSeE Western Blot BioRad	OC0045	29/07/2021	12% Criterion XT Bio-Rad	64328103	28/01/2021	////	////	NA	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
642	APHA Biorad Hybrid Western Blot	OC0045	29/07/2021	Criterion	64346948	20/04/2021	Bovine classical BSE	////	////	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
615	TeSeE Western Blot BioRad	9F0044	20/11/2020	In house made	////	////	Positive	Negative	////	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	weak positive	positive	////	weak positive

899	TeSeE Western Blot BioRad	9F0044	20/11/2020	Criterion gel	64366090	04/08/2021	CQI OK	NO CONTR OL	////	Protocol corresponding to the recommendation of the kit	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
117	TeSeE Western Blot BioRad	9F0044	20/11/2020	XT CRITERION GEL	64346948	20/04/2021	////	////	////	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
564	TeSeE Western Blot BioRad	9F0044	20/11/2020	Geles XT PreCast Criterion 12% Bis Tris 18W	64366090	04/08/2021	Internal control positive	Internal control negative	////	PESIG/EET-10 WB confirmation	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
157	PrioWESTER N BSE Thermo Fisher Scientific	W200101 G	31/01/2021	NuPAGE 12% Bis-Tris Gel	20030410	03/07/2021	Positive	Negative	////	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
561	PrioWESTER N BSE Thermo Fisher Scientific	W200101 G	31/01/2021	NuPage	19090411	02/01/2021	positive	negative	////	SAF western blot	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
092	PrioWESTER N BSE Thermo Fisher Scientific	W200101 G	31/01/2021	12% bis-tris	20093070	29/01/2022	Positive	N.A.	NA	00-14-0308	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
342	PrioWESTER N BSE Thermo Fisher Scientific	W200101 G	31/01/2021	NuPAGE Invitrogen 12% Bis-Tris	20063010	29/10/2021	positive	negative	////	////	negative	////	negative	positive	////	medium positive	negative	////	negative	positive	////	weak positive	positive	////	weak positive
378	PrioWESTER N BSE Thermo Fisher Scientific	W200101 G	31/01/2021	NuPage	20030410	03/07/2021	Positive	////	////	////	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
717	hybrid WB	W200101 G	31/01/2021	BIS-TRIS	19090411	02/01/2021	positive	negative	NA	Hybrid WB based on Prionics WB with concentration centrifugation using 9A2 antibody	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
224	In-house WB	none	reagents 31/12/2020	Bio-Rad TGX 12%	64267210	25/03/2025	positive	negative	NA	TeSeE Sheep and goat purification kit with mAB Sha31	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
648	OIE SAF Immunoblot	Not applicable	Not applicable	Self Cast Gel	Self Cast Gel	Not applicable	Positive	Negative	NA	OIE SAF Immunoblot (in house method)	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive
221	Immunoblotting developed in house	////	////	Pre-cast gel Invitrogen	20091510	14/01/2022	strong positive	Negative	////	SOP 10DG019 (7/0)	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	strong positive	positive	////	strong positive

1st Alternative Test	Test Method used	Kit Batch Number	Expiry Date	Gel Type	Batch	Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Sample No. WB2001			Sample No. WB2002			Sample No. WB2003			Sample No. WB2004			Sample No. WB2005		
											Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
Intended											negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
ID Lab.																									
860	TeSeE Western Blot BioRad	OC0045	29/07/2021	NuPAGE 12% Bis-Tris Gel	NU20012971	29/05/2021	three bands, positive	no band, negative	0	Confirmatory test based on the BIO-RAD kit	negative	////	negative	positive	BSE	strong positive	negative	////	negative	positive	BSE	strong positive	positive	BSE	strong positive
157	PrioSTRIP BSE KIT Thermo Fisher Scientific	S190101G	15/01/2021	////	////	////	6333	0	78	////	negative	////	negative	positive	3384	strong positive	negative	////	negative	positive	1354	medium positive	positive	1370	medium positive
092	IDEXX HercChek BSE-Scrapie Antigen kit	ES082	01/06/2021	NA	NA	NA	3.873	0.019	0.139	00-14-1435	negative	0.016	////	positive	3.597	////	negative	0.017	////	positive	3.208	////	positive	2.912	////
378	IDEXX HercChek BSE-Scrapie Antigen kit	ES082	01/06/2021	////	////	////	3,440/3,487	0,021/0,023	0.142	////	negative	3.724	strong positive	positive	0.021	negative	negative	3.601	strong positive	positive	3.653	strong positive	positive	3.553	strong positive
055	IDEXX HercChek BSE-Scrapie Antigen kit	ES082	01/06/2021	////	////	////	3,774/3,717	0,036/0,031	0.154		negative	0.039	negative	positive	3.616	strong positive	negative	0.052	negative	positive	3.48	strong positive	positive	3.722	strong positive
564	Idexx Herd Check Short Protocol	BS640	12/03/2021	////	////	////	Over - 3,403	0,013 - 0,009	0.131	PESIG/EET-04 Short Protocol	negative	0,012 - 0,013	negative	positive	2,309 - 2,480	medium positive	negative	0,014 - 0,013	negative	positive	1,613 - 1,973	weak positive	positive	1,842 - 2,051	weak positive

2nd Alternative Test	Test Method used	Kit Batch Number	Expiry Date	Gel Type	Batch	Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Sample No. WB2001			Sample No. WB2002			Sample No. WB2003			Sample No. WB2004			Sample No. WB2005		
											Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
Intended											negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
ID Lab.																									
157	BSE/Scrapie Antigen Test Kit, EIA IDEXX HerdCheck	MR325	13/12/2020	////	////	////	3,999; 3,999	0,017; 0,016	0.137	Ultra short protocol was used	negative	0.019	negative	positive	3.999	strong positive	negative	0.023	negative	positive	3.999	strong positive	positive	3.999	strong positive
860	BIO-RAD TeSeE SAP Combi	OC077	22/01/2021	////	////	////	2.755	0.018	0.228	Purification : NSP robot; Detection: EVOLIS Microplate System	negative	0.019	negative	positive	3.281	strong positive	negative	0.018	negative	positive	3.144	strong positive	positive	3.414	strong positive

564	PrioWESTER N BSE Thermo Fisher Scientific	W190101 G	13/05/2020	NuPage 12% Bis-Tris	20063010	44498	Internal positive control was correct	Internal negative control was correct	////	PESIG/EET- 01	negative	////	negative	positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive
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Comments provided by Pier Luigi Acutis, IZSPLVA - Turin (pierl)

Sample WB2001 = WB2003; Sample WB2004=WB2005.

WB2001 - BSE negative tissue homogenate

All Labs reported the correct result.

WB2002 - BSE positive tissue homogenate - strong positive

All Labs reported the correct result.

WB2003 - BSE negative tissue homogenate

All Labs reported the correct result.

WB2004 - BSE positive tissue homogenate - medium positive

All Labs reported the correct result.

WB2005 - BSE positive tissue homogenate - medium positive

All labs reported the correct result.

1st Alternative test results from laboratory 322, although correct, have not been included in this rep

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

Date: 10/05/2021

Giuseppe Ru, Director of TSE EURL