



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: WB19 Distribution date: 08-09-15 October 2019

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	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
Intended ID Lab.											positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive	negative	////	negative	////	negative	
378	PrionWESTERN BSE kit (Prionics Check Western)	W190101G	13/05/2020	NuPage, Invitrogen	18090571	04/01/2020	0	0	0	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	positive		strong positive	negative		negative	
157	Thermo Fisher ProWestern	W180301G	29.10.2019	NuPAGE 12% Bis-Tris Gel, Invitrogen by Thermo Fisher Scientific	18112870	28.03.2020	positive	negative	-	0	positive	#RIF1	strong positive	negative	#RIF1	negative	positive	#RIF1	strong positive	positive	#RIF1	strong positive	negative	#RIF1	negative			
092	Thermo Fisher ProWestern	W190101G	13-May-2020	12% Bis-Tris	19012371	23-May-2020	Positive	negative	N.A.	00-14-0308	positive			negative			positive			positive					negative			
221	Immunoblotting developed in house	0	0	Pre-cast gel Invitrogen	19070370	31/10/2020	medium positive	negative	0	SOP 10DG019 (6/2)	positive	#RIF1	strong positive	negative	#RIF1	negative	positive	#RIF1	strong positive	positive	#RIF1	strong positive	negative	#RIF1	negative			
717	modified WB	W190101G	13/05/2020	NUPAGE 12% Bis-Tris	19041771	01/02/2020	positive	negative	N.A.	modified WB based on Prionics with Sa2 instead of 6H4	positive	0	strong positive	negative	0	negative	positive	0	medium positive	positive	0	medium positive	negative	0	negative			
932	Bio-Rad TeSeE Western blot kit	8M0043		Criterion XT 12010 Bis-Tris Gel			positive	negative		western blot	0	3 bands	BSE	negative	negative	positive	3 bands	BSE	positive	3 bands	BSE	negative	negative	negative				
991	TeSeE Western Blot	8M0043	27.04.2020	BioRad-Criterion XT	64301361	10.09.2020	0	0	0	kit for confirmation of suspected TSE positive samples	positive		medium positive	negative	negative	positive		medium positive	positive		medium positive	negative		negative				
642	Alpha Biocat Hybrid Western Blot	BioRad TeSeE WB Kit 8M0043	27/04/2020	12% Criterion	64276416	12/03/2020	Positive	NA	NA	SOP SE198 Ed 7.	positive		strong positive	negative		negative	positive		medium positive	positive		medium positive	negative		negative			
117	BIORAD WESTERN BLOT	8M0043	27/04/2020	CRITERION XT PRECAST GEL	64255539	05/02/2020	0	0	0	0	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
342	Confirmatory Immunoblot	W190101G (Prionics Check Western)	13 May 2020	NuPAGE Invitrogen	18100371	1 February 2020	positive	negative	0	0	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
55	TeSeE WESTERN BLOT BIO-RAD	8M0043	27/04/2020	0	0	0	Positive	Negative	0	0	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
322	TeSeE Western Blot Bio-Rad	8M0043	27/04/2020	0	0	0	Positive	Negative	0.219	0	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
224	In house Sha31 Immunoblot	43466	31/12/2019	Bio-Rad TGX Gels	64267210	25/03/2025	positive	0	negative	0	positive		0	negative		0	positive		0	positive		0	negative		0			
564	TeSeE Western Blot Kit (Bio-Rad)	9F0044	20/11/2020	XT Precast Criterion 12% Bis-Tris 18W gels	64281983	04/06/2020	Positive, internal control BP32	Negative, internal control BN29	0	LCV SOP-PFGIG/ET-10 Western Blot Confirmation TeSeE	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
561	SAF western blot	Prionics W190101G	13/05/2020	NuPage	18090571	04/01/2020	positive	negative	0	SAF western blot	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
860	BIO-RAD TeSeE-based Hybrid WB BIO-RAD ref: 3551169, R-Biopharm AG R88008	BIO-RAD 8M0043	27-04-2020	NuPage 12% BT	19070370	31-10-2020	3 bands	no signal	0	Confrimatory Test based on the BIO-RAD Kit	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
909	Western blot Bio-Rad	8M0043	27/04/2020	Criterion TM XT Precast Gel	64222538	10/09/2019	strong positiv	negative	1700	Western blot	positive		strong positive	negative		negative	positive		medium positive	positive		strong positive	negative		negative			
648	OIE SAF Immunoblot	Not applicable	Not applicable	Self Cast Gel	0	Net applicable	Positive	Negative	Not applicable	OIE SAF Immunoblot (in house)	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
495	Bio-Rad TeSeE Western Blot	8M0043	27/04/2020	NuPage 12% BisTris	19041771	15/08/2020	positive	negative	0	0	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
605	Bio-Rad TeSeE Western Blot	8M0043	27/04/2020	Criterion XT	64273802	23/04/2020	POS++ (1:10)	NEG-	N/A	SOP BSE.01	positive		strong positive	negative		negative	positive		medium positive	positive		medium positive	negative		negative			
899	Biorad TeSeE western blot	9F044	20/11/2020	Criterion XT precast gel 12% Bis-Tris	64296813	20/08/2020	CQI valid	no control	0	Protocol corresponding to the recommendation of the kit	positive		strong positive	negative		negative	positive		strong positive	positive		strong positive	negative		negative			
704	Biorad TeSeE Western Blot Kit	8M0043	27/04/2020	Biorad Criterion XT 12% Bis-Tris	64261048	27/02/2020			0	positive			medium positive	negative		negative	positive		strong positive	positive		medium positive	negative		negative			
615	Biorad TeSeE Western Blot	8M0043	24/04/2020	In-house made	0	0	Positive	Negative	0	0	positive		strong positive	negative		negative	positive		weak positive	positive		medium positive	negative		negative			

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	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
Intended ID Lab.											positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive	negative	////	negative
378	HerdChek BSE Scrapie Antigen kit (IDEXX)	CR046	04/03/2020	0	0	0	3.723/3.715	0.017/0.017	0.137	0	positive	3.655	strong positive	negative	0.007	negative	positive	3.652	strong positive	positive	3.895	strong positive	negative	0.008	negative
157	Priosterip BSE KIT, Applied Biosystems by Thermo Fisher Scientific	S180101G	25.04.2020	0	0	0	6279	0	96	0	positive	6514	strong positive	negative	0	negative	positive	3841	medium positive	positive	4198	medium positive	negative	0	negative
55	HerdChek iDEXX	CR046	04/03/2020	0	0	0	>3.5; 3.472	0.011; 0.014	0.133	0	positive	over 3.5	strong positive	negative	0.022	negative	positive	over 3.5	strong positive	positive	3.398	strong positive	negative	0.04	negative
564	Prionics Check Western Blot	W190101G	13/05/2020	NuPAGE 12% Bis-Tris 17w gels	18100371	01/02/2020	Positive, Internal control BP32	Negative, Internal control BN32	LCV SOP: PESIG/EET-01 Western Blot Prionics	positive	0	strong positive	negative	0	negative	positive	0	medium positive	positive	0	medium positive	negative	0	negative	
860	BIO-RAD TeSeE SAP Combi test 3551192	9C0073	15-01-2020	0	0	0	3,104	0.025	0.235	Purification NSP input: Detection: Evolis SC Microplate System	positive	3,311	strong positive	negative	0.028	negative	positive	3,46	strong positive	positive	3,409	strong positive	negative	0.034	negative
704	Biorad TeSeE SAP Combi kit	9F0074	10/04/2020	0	0	0	0	0	0	positive	3,309	medium positive	negative	0.02	negative	positive	3,786	strong positive	positive	3,332	medium positive	negative	0.017	negative	
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	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
Intended ID Lab.											positive	////	strong positive	negative	////	negative	positive	////	medium positive	positive	////	medium positive	negative	////	negative
157	BSE Scrapie Antigen Herd Check	AR368	26.12.2019.	0	0	0	3,999; 3,999	0.020; 0.018	0.139	Ultra short protocol was used	positive	3,999	strong positive	negative	0.022	negative	positive	3,999	strong positive	positive	3,999	strong positive	negative	0.025	negative

Comments provided by Pier Luigi Acutis, IZPLVA - Turin (pierluigi.acutis@istto.it)

Sample WB1903 = WB1904; Sample WB1902=WB1905.

WB1901 - BSE positive tissue homogenate - strong positive.

All Labs reported the correct result.

WB1902 - BSE negative tissue homogenate.

All Labs reported the correct result.

WB1903 - BSE positive tissue homogenate - medium positive

All Labs reported the correct result.

WB1904 - BSE positive tissue homogenate - medium positive

All Labs reported the correct result.

WB1905 - BSE negative tissue homogenate

All labs reported the correct result.

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

Date: 10/02/2020
Giuseppe Ru, Director of TSE EURL