

ISTITUTO ZOOPROFILATTICO SPERIMENTALE DEL PIEMONTE, LIGURIA E VALLE D'AOSTA

VIA BOLOGNA 148 - TORINO

Results Tabulation for Confirmatory Immunoblot test

STRUTTURAUD: 0001

DATA:

MOD. N° 402477

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PAGINA 1 DI 4



PROFICIENCY TESTING FOR VETERINARY LABORATORIES

Results Tabulation for Scrapie Confirmatory Immunoblot test- Scheme: WS21												Report No. 06/2021		Distribution date: 13-14 December 2021				Page 1	
BLOT	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation	Interpretation	Result	Characterisation	Sample No. WS2101			
Intended																			
ID Lab.	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	NuPage 12% Bis-Tris	21021711	18/06/2022	positive	negative	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
895	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	In house	1111	1111	positive	negative	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
225	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	In house	1111	1111	positive	negative	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
855	TeSeE Western Blot, Bio-Rad	0L0046	07/04/2022	Criterion XT	64395121	26/01/2022	1111	1111	1111	1111	negative	1111	negative	negative	1111	1111			
384	TeSeE Western Blot, Bio-Rad	1C0047	17.08.2022	CRITERION XT / 12% NuPAGE Bio-Tris Gel	64437260 / 20063010	31.08.2022. / 29.10.2021.	1111	1111	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
189	SAF western blot	1111	1111	NuPage	21051070	06/09/2022	positive	negative	1111	1111	negative	1111	1111	positive	1111	classical scrapie			
112	TeSeE Western Blot, Bio-Rad	0L0047	07/04/2022	Criterion	64452133	16/11/2022	CQI OK, No98 OK	No control	1111	Protocol corresponding to the recommendation of the kit	negative	1111	negative	positive	1111	classical scrapie			
673	OIE SAF Immunoblot	Not applicable	Not applicable	Self Cast Gel	Not applicable	Not applicable	positive	negative	Not applicable	OIE SAF Immunoblot (in-house method)	negative	1111	negative	positive	1111	classical scrapie			
856	TeSeE Western Blot, Bio-Rad	0L0046	07/04/2022	CRITERION XT GEL	64413931	27/04/2022	1111	1111	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
401	TeSeE Western Blot, Bio-Rad	0L0046	07/04/2022	Criterion XT Gels	64401490	23/02/2022	1111	1111	1111	Western Blot using Sha 31 antibody	negative	1111	1111	positive	1111	1111			
377	TeSeE Western Blot, Bio-Rad	0L0046	07/04/2022	homemade	1111	1111	strong positive classical scrapie (lane 7) and strong positive atypical scrapie (lane 8)	negative	1111	APHA Bio-Rad TeSeE based hybrid western blot method	negative	1111	negative	positive	1111	classical scrapie			
368	SAF - Immunoblot (in-house method)	1111	1111	NuPAGE 12% Bis-Tris	21080670	05/12/2022	Classical scrapie	negative	1111	SOP 10DG027	negative	1111	negative	positive	1111	classical scrapie			
159	TeSeE Western Blot, Bio-Rad	1C0047	17.08.2022	4-15% Mini-PROTEAN® TGX™ Precast Protein Gel	64417522	20/05/2021	positive + A-typical, Classical	negative	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
454	WBVR Immunoblot	W200201G	Prolonged exp date	12% BIS tris	20093070	29/01/2022	positive	1111	N/A	00-14-1640	negative	1111	negative	positive	1111	classical scrapie			
519	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	NuPAGE 12% Bis-Tris	21071571	13/11/2022	positive	negative	N.A.	1111	negative	1111	negative	positive	1111	classical scrapie			
784	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	1111	1111	1111	Positive	Negative	0.218	1111	negative	1111	negative	positive	1111	classical scrapie			
164	TeSeE-based Hybrid Western	1C0047	17/08/2022	Criterion XT	64372584	15/09/2021	(BSE 1:10) / POS+++ (SCR)	Sh31- NEG-, P4- NEG-	N/A	20220104-005.pdf kit for confirmation of suspected TSE positive samples	negative	1111	negative	positive	1111	classical scrapie			
504	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	Bio-Rad	64411084	13/04/2022	1111	1111	1111	Confirmatory Immunoblot	negative	1111	1111	positive	1111	1111			
950	TeSeE Western Blot, Bio-Rad	0L0046	07/04/2022	NuPAGE Invitrogen 12%Bis-Tris	21031270	11/07/2022	positive	negative	1111	Modified digestion, two gels (6H4, P4), verified for atSc.	negative	1111	negative	positive	1111	classical scrapie			
669	SJO Modified PCW (PrionWESTERN BSE)	W200101G	31.1.21 (verified for further use)	NuPage	21031270	11/07/2022	Positive	1111	1111	1111	negative	1111	negative	positive	1111	classical scrapie			
115	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	Criterion XT Precast Gel 12% Bis-Tris 18 Well	64392258	12/01/2022	Three bands	No bands	1111	According to the manufacturer's instructions.	negative	1111	negative	positive	1111	classical scrapie			
363	TeSeE Western Blot, Bio-Rad	1C0047	17/08/2022	12% Criterion XT Bio-Rad	64422803	25/05/2022	Classical scrapie	Negative	N/A	Purification w/ Bio-Rad TeSeE s/g. 5 x PK conc and Sha31 mAb detection	negative	1111	negative	negative	1111	1111			
804	In-house modified WB, BioRad TeSeE s/g purification kit based, Sha31	1K0045	08/11/2022		64441057	44651	positive	positive	n.a.	Confirmatory test based on the Bio-RAD kit	negative	1111	negative	positive	1111	classical scrapie			
645	TeSeE Western Blot, Bio-Rad	0C0047	17-08-2022	NuPAGE 12%Bis-Tris Gel (NP034MBOX)	21083170	30/12/2022	three bands, positive	no band, negative	1111		negative	1111	negative	positive	1111	classical scrapie			

1st Alternative Test	Sample No. WS2101										Sample No. WS:	
	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
Intended											negative	negative
ID Lab.	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
225	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
384	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
377	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
159	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
454	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
669	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
645	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation

2nd Alternative Test	Sample No. WS2101										Sample No. WS:	
	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result				negative	negative
Intended											negative	negative
ID Lab.	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation
669	Test Method used	Kit Batch Number	Kit Expiry Date	Gel Type	Gel Batch Number	Gel Expiry date	Positive Control result	Negative Control result	Positive Cut Off value	Method details	Result	Characterisation

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

Sample WS2102 = Sample WS2104; Sample WS2101 = Sample WS2103 = Sample WS2105

WS2101 - Scrapie negative ovine tissue homogenate

All Labs reported the correct result.

WS2102 - Classical scrapie ovine tissue homogenate - medium positive

All Labs reported the correct result except the laboratories 855 and 363 which defined it as negative sample.

WS2103 - Scrapie negative ovine tissue homogenate

All Labs reported the correct result.

WS2104 - Classical scrapie ovine tissue homogenate - medium positive

All Labs reported the correct result.

WS2105 - Scrapie negative ovine tissue homogenate

All Labs reported the correct result.

1st Alternative test results from laboratories 164, 454 and 764, although correct, have not been included in this report as the submission template has not been filled in.

In summary the laboratories 855 and 363 have failed this PT but they have already passed a second PT round. All the other laboratories have passed it. Well done.

The information contained in this Report must be considered confidential

END OF REPORT
Copia controllata

Date: 05/07/2022

Dr. Elena Bozzetta, TSE EURL PTs Coordinator



WS2102	Sample No. WS2103			Sample No. WS2104			Sample No. WS2105		
	Result	Characterisation	Interpretation	Result	Characterization	Interpretation	Result	Characterisation	Interpretation
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
negative	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
strong positive	negative	////	////	positive	classical scrapie	medium positive	negative	////	////
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	negative	negative	////	negative
medium positive	negative	0	negative	positive	classical scrapie	medium positive	negative	0	negative
////	negative	////	////	positive	////	////	negative	////	////
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
////	negative	////	////	positive	////	////	negative	////	////
medium positive	negative	////	negative	positive	Classical scrapie	medium positive	negative	////	negative
strong positive	negative	////	negative	positive	classical scrapie	strong positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
negative	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative

102	Sample No. WS2103			Sample No. WS2104			Sample No. WS2105		
	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
medium positive	negative	0.009	negative	positive	1.816	medium positive	negative	0.019	negative
strong positive	negative	0.027	negative	positive	3.999	strong positive	negative	0.036	negative
weak positive	negative	0.016	negative	positive	0.996; 1.275/1.4399	weak positive	negative	0.014	negative
medium positive	negative	0.022	negative	positive	2.12	medium positive	negative	0.019	negative
strong positive	negative	////	////	positive	classical scrapie	strong positive	negative	////	////
strong positive	negative	0.02	negative	positive	3.38	strong positive	negative	0.026	negative
medium positive	negative	0.022	negative	positive	1.815	medium positive	negative	0.019	negative

102	Sample No. WS2103			Sample No. WS2104			Sample No. WS2105		
	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation	Result	Characterisation	Interpretation
medium positive	negative	////	negative	positive	classical scrapie	medium positive	negative	////	negative
weak positive	negative	TSE negative	negative	positive	TSE positive	weak positive	negative	TSE negative	negative