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

PROFICIENCY TESTING FOR VETERINARY LABORATORIES**RESULTS TABULATION FOR**

SCRAPIE SCREENING RAPID TEST - Scheme:

RS19

Distribution date:

08-09-15 Oct 2019

ELISA														
Laboratory ID	Test used	Kit batch number	Expiry date	Gel Type (Prionics)	Batch	Expiry date	Positive control results		Negative control results				CutOff Value	Methods details
038	IDEXX HerdChek BSE-Scrapie Ag Test	CR046	04/03/2020				Over	Over	0.023	0.018			0.205	Ultra-short Protocol LCV SOP: PESIG/EET-04 Protocolo ultracorto
107	IDEXX	CR046	2020.03.04				3.576	3.553	0.024	0.017			0.2005	Short protocol
152	IDEXX HerdChek BSE-Scrapie Ag Test Kit, EIA	AR368	26/12/2019				4.682	4.487	0.022	0.022			0.202	
200	TeSeE Bio-Rad	9C0073	15.01.2020				3.214	3.202	0.016	0.017	0.017	0.018	0.227	BioRad TeSeE Short Assay Protocol
207	TeSeE Kit Rapid Test Biorad	9F0074	10/04/2020				3.351	3.32	0.008	0.007	0.008	0.012	0.219	NSP Purification/ Manual detection
234	TeSeE sheep/goat	9C0041	17/01/2020				1.52	1.498	0.009	0.007	0.013	0.008	0.148	Elisa 141019
244	BSE Scrapie Antigen Test Kit, EIA, IDEXX HERD CHECK	AR368	26/12/2019				3.999	3.999	0.028	0.027			0.207	SHORT PROTOCOL WAS USED
257	TeSeE SAP	8M0072	18/10/2019				3.186	3.12	0.016	0.02	0.013	0.015	0.226	
275	IDEXX	CR046	04-MAR-2020				3.571	3.673	0.016	0.015			0.196	00-14-1435

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278	BioRad TeSeE SAP Combi Kit	9F0074	10/04/2020				3.826	3.893	0.016	0.015	0.016	0.017	0.226	
320	BioRad TeSeE SAP Combi Kit	9F0074	10/04/2020				2.784	2.764	0.01	0.014	0.012	0.017		
409	Biorad SAP Combi	9F0074	10/04/2020				3.271	3.162	0.008	0.009	0.009	0.011	0.219	
424	Bio Rad	9F0074	2020.04.10				3,822	3,918	0,017	0,018	0,016	0,026	0,206	
447	Idexx Herdchek	ER361	17/05/2020				3.999	3.999	0.047	0.042			0.225	Ultra Short protocol
468	TeSeE SAP	9F0074	10/04/2020				3.006	3.065	0.006	0.008	0.007	0.007	0.217	
602	IDEXX HerdChek BSE-Scrapie Ag Test	CR046	04/03/2020				3.201	3.545	0.021	0.021	-	-	0.2012	Ultra Short protocol
639	TeSeE	9C0073	15/01/2020				2,647	2,716	0.010	0.008	0.011	0.014	0.221	
660	Bio-Rad	9F0074	10/04/2020				3,106	3,060	0.008	0.010	0.008	0.007	0.218	
667	IDEXX HerdChek BSE-Scrapie Ag Kit	JR907	25/09/2020				3.999	3.999	0.028	0.03			0.209	Ultra Short Protocol
680	Idexx BSE-Scrapie antigen test	CR046	04/03/2020				3,9990	3,9990	0.0198	0.0173			0.1986	short protocol
718	IDEXX HerdChek	ER 361	17/05/2020				3.999	3.999	0.117	0.065			0.271	short protocol
800	HerdChek BSE-Scrapie Antigen (IDEXX)	CR046	04/03/2020				3,585	3,510	0.040	0.037			0.2185	
831	IDEXX HerdChek BSE/scrapie	CR046	04/03/2020				2.817	2.741	0.016	0.016			0.196	SOP BSE.06
848	TeSeE Bio-Rad	9F0074	10/04/2020				2,934	2,974	0.012	0.008	0.015	0.016	0.223	

896	IDEXX Ultra short	AR368	26/12/2019				3.438	3.196	0.014	0.019			0.136	
918	TeSeE SAP Combi	9C0073	15-01-2020				3.119	3.09	0.024	0.025	0.025	0.025	0.235	NSP;Evolis

ELISA									
	RS1901		RS1902		RS1903		RS1904		
Intended	Classical SCRAPIE Caprine Tissue Homogenate - Dilution 1:10		TSE Negative caprine Tissue Homogenate		Classical SCRAPIE Caprine Tissue Homogenate - Dilution 1:10		TSE Negative caprine Tissue Homogenate		
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	
038	Over	Ve+++	0.012	Ve-	Over	Ve+++	0.016	Ve-	
107	3.152	Ve+++	0.030	Ve-	3.254	Ve+++	0.030	Ve-	
152	5.925	Ve++	0.026	Ve-	4.515	Ve++	0.027	Ve-	
200	1.289	Ve+	0.028	Ve-	1.744	Ve++	0.026	Ve-	
207	2.473	Ve++	0.013	Ve-	2.508	Ve+++	0.013	Ve-	
234	3.462	Ve+++	0.013	Ve-	****	Ve+++	0.012	Ve-	
244	3.999	Ve+++	0.026	Ve-	3.999	Ve+++	0.027	Ve-	
257	2.594	Ve++	0.021	Ve-	2.473	Ve++	0.012	Ve-	
275	3.793	Ve+++	0.044	Ve-	3.885	Ve+++	0.018	Ve-	
278	1.933	Ve++	0.023	Ve-	2.157	Ve++	0.024	Ve-	
320	1.726	Ve++	0.011	Ve-	1.68	Ve++	0.009	Ve-	
409	3.358	Ve++	0.014	Ve-	3.391	Ve++	0.019	Ve-	
424	3,213	Ve+++	0,017	Ve-	2,765	Ve+++	0,019	Ve-	
447	3.865	Ve+++	0.04	Ve-	3.772	Ve+++	0.045	Ve-	
468	1.326	Ve++	0.011	Ve-	1.292	Ve++	0.011	Ve-	
602	2.436	Ve++	0.024	Ve-	2.73	Ve++	0.024	Ve-	
639	0.529	Ve+	0.014	Ve-	0.659	Ve+	0.010	Ve-	
660	1,674	Ve+	0.010	Ve-	1,491	Ve+	0.012	Ve-	
667	3.899	Ve+++	0.025	Ve-	3.999	Ve+++	0.026	Ve-	
680	3.9990	Ve+++	0.0188	Ve-	3,990	Ve+++	0.0179	Ve-	
718	3.999	Ve+++	0.058	Ve-	3,999	Ve+++	0.08	Ve-	
800	3,116	Ve++	0.018	Ve-	2,766	Ve++	0.021	Ve-	
831	3.282	Ve+++	0.016	Ve-	3.262	Ve+++	0.017	Ve-	
848	2,291	Ve+	0.017	Ve-	2,235	Ve+	0.012	Ve-	
896	2.151	Ve++	0.022	Ve-	2.467	Ve++	0.022	Ve-	
918	2.024	Ve++	0.027	Ve-	2.26	Ve++	0.029	Ve-	



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ELISA						
	RS1905		RS1906		RS1907	
Intended	Classical SCRAPIE POSITIVE Caprine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE Caprine Tissue Homogenate - Dilution 1:5		TSE Negative caprine Tissue Homogenate	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	3.362	Ve++	Over	Ve+++	0.039	Ve-
107	3.166	Ve+++	3.348	Ve+++	0.031	Ve-
152	4.575	Ve++	4.888	Ve++	0.065	Ve-
200	2.032	Ve+++	2.086	Ve+++	0.023	Ve-
207	3.108	Ve+++	2.887	Ve+++	0.012	Ve-
234	****	Ve+++	****	Ve+++	0.01	Ve-
244	3.999	Ve+++	3.999	Ve+++	0.03	Ve-
257	2.696	Ve++	2.546	Ve++	0.01	Ve-
275	3.885	Ve+++	3.952	Ve+++	0.013	Ve-
278	2.403	Ve+++	2.700	Ve+++	0.021	Ve-
320	2.309	Ve++	2.591	Ve++	0.009	Ve-
409	4.086	Ve+++	3.789	Ve+++	0.014	Ve-
424	0,611	Ve+	0,427	Ve+	0,018	Ve-
447	3.8355	Ve+++	3.9095	Ve+++	0.04	Ve-
468	2.393	Ve+++	2.453	Ve+++	0.01	Ve-
602	3.331	Ve+++	2.336	Ve++	0.022	Ve-
639	0.820	Ve+	1,178	Ve++	0.010	Ve-
660	2,467	Ve+	2,691	Ve+	0.012	Ve-
667	3.999	Ve+++	3.999	Ve+++	0.047	Ve-
680	3.9990	Ve+++	3.9990	Ve+++	0.0196	Ve-
718	3.999	Ve+++	3.999	Ve+++	0.065	Ve-
800	3,467	Ve++	3,035	Ve++	0.017	Ve-
831	3.173	Ve+++	3.165	Ve+++	0.02	Ve-
848	2,572	Ve+	2,851	Ve+	0.012	Ve-
896	2.549	Ve++	2.429	Ve++	0.019	Ve-
918	2.634	Ve+++	2.766	Ve+++	0.027	Ve-



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Laboratory ID	Test used	Kit batch number	Expiry date	Gel Type (Prionics)	Batch	Expiry date	Positive control results		Negative control results				CutOff Value	Methods details
038	TeSeE SAP Combi Kit BioRad	9F0074	10/04/2020				2.105	2.168	0.009	0.004	0.017	0.014	0.219	LCV SOP: PESIG/EET-03 TeSeE BioRad
107														
152														
200	IDEXX	ER361	17.05.2020				1.888	1.89	0.04	0.041			0.221	IDEXX BSE-Scrapie Antigen EIA TEST
207														
234	TeSeE SAP	9C0073	15/01/2020				3.174	3.23	0.009	0.005	0.017	0.008	0.217	Elisa 241019
244														
257	HerdChek	ER361	17/05/2020				>3,5	>3,5	0.033	0.035			0.214	
275	Thermofisher PrioWestern	W1900101G	13-MAY-2020				Positive		Negative				N.A.	00-14-0308
278														
320														
409														
424														
447														
468														
602	BioRad TeSeE™ Combi Kit	9C0073	15.01.2020.				2.057	1.982	0.02	0.02	0.018	0.021	0.23	
639	TeSeE	9C0073	15/01/2020				2,384	2,412	0.009	0.008	0.012	0.011	0.220	
660														
667														
680														
718														



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800	PrioWESTERN BSE (Prionics Chek Western)	W190101G	13/05/2020										Works for classical scrapie
831													
848													
896													
918													

1st Alternative test

Intended	RS1901		RS1902		RS1903		RS1904	
	Classical SCRAPIE Caprine Tissue Homogenate - Dilution 1:10		TSE Negative caprine Tissue Homogenate		Classical SCRAPIE Caprine Tissue Homogenate - Dilution 1:10		TSE Negative caprine Tissue Homogenate	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	2.083	Ve++	0.002	Ve-	2.712	Ve++	0.025	Ve-
107								
152								
200	3.342	Ve+++	0.039	Ve-	3.692	Ve+++	0.048	Ve-
207								
234	1.682	Ve++	0.012	Ve-	1.667	Ve++	0.011	Ve-
244								
257	over 3,5	Ve+++	0.04	Ve-	over 3,5	Ve+++	0.036	Ve-
275		Ve+++		Ve-		Ve+++		Ve-
278								
320								
409								
424								
447								
468								
602	2.099	Ve+++	0.036	Ve-	0.974	Ve++	0.027	Ve-
639	1,083	Ve++	0.006	Ve-	1,063	Ve++	0.013	Ve-
660								
667								
680								
718								
800		Ve++		Ve-		Ve++		Ve-
831								
848								
896								
918								



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1st Alternative test						
	RS1905		RS1906		RS1907	
Intended	Classical SCRAPIE POSITIVE Caprine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE Caprine Tissue Homogenate - Dilution 1:5		TSE Negative caprine Tissue Homogenate	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	3.063	Ve+++	2.853	Ve++	0.016	Ve-
107						
152						
200	3.499	Ve+++	3.603	Ve+++	0.037	Ve-
207						
234	1.745	Ve++	2.333	Ve+++	0.018	Ve-
244						
257	3.396	Ve+++	over 3,5	Ve+++	0.039	Ve-
275		Ve+++		Ve+++		Ve-
278						
320						
409						
424						
447						
468						
602	1.48	Ve++	1.571	Ve++	0.02	Ve-
639	1,395	Ve++	1,443	Ve++	0.008	Ve-
660						
667						
680						
718						
800		Ve++		Ve++		Ve-
831						
848						
896						
918						



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Laboratory ID	Test used	Kit batch number	Expiry date	Gel Type (Prionics)	Batch	Expiry date	Positive control results		Negative control results				CutOff Value	Methods details
038	IDEXX HerdChek BSE- Scrapie Ag Test	CR046	04/03/2020				3.322	3.427	0.081	0.048	0.1	0.12	0.244	Short Protocol LCV SOP: PESIG/EET-04 Protocollo corto
107														
152														
200														
207														
234														
244														
257														
275														
278														
320														
409														
424														
447														
468														
602														
639														
660														
667														
680														
718														
800	PCW-SLO	W190101G	13/05/2020											Modified method, two blots
831														
848														
896														
918														



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	RS1901		RS1902		RS1903		RS1904	
Intended	Classical SCRAPIE Caprine Tissue Homogenate - Dilution 1:10		TSE Negative caprine Tissue Homogenate		Classical SCRAPIE Caprine Tissue Homogenate - Dilution 1:10		TSE Negative caprine Tissue Homogenate	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	3.272	Ve++	0.058	Ve-	Over	Ve+++	0.042	Ve-
107								
152								
200								
207								
234								
244								
257								
275								
278								
320								
409								
424								
447								
468								
602								
639								
660								
667								
680								
718								
800		Ve+++		Ve-		Ve+++		Ve-
831								
848								
896								
918								



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	RS1905		RS1906		RS1907	
Intended	Classical SCRAPIE POSITIVE Caprine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE Caprine Tissue Homogenate - Dilution 1:5		TSE Negative caprine Tissue Homogenate	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	3.096	Ve+++	3.312	Ve++	0.13	Ve-
107						
152						
200						
207						
234						
244						
257						
275						
278						
320						
409						
424						
447						
468						
602						
639						
660						
667						
680						
718						
800		Ve+++		Ve+++		Ve-
831						
848						
896						
918						

Sample RS1901 = RS1903 Sample RS1905 = RS1906 Sample RS1902 = RS1904 = RS1907



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Comments provided by Elena Bozzetta, IZS PLVA - Turin

Comments SCRAPIE SCREEINIG Rapid Test - Scheme: RS19

RS1901 - classical scrapie positive caprine tissue homogenate - Dilution 1:10

RS1902 - scrapie negative caprine tissue homogenate

RS1903 - classical scrapie positive caprine tissue homogenate - Dilution 1:10

RS1904 - scrapie negative caprine tissue homogenate

RS1905 - classical scrapie positive caprine tissue homogenate - Dilution 1:5

RS1906 - classical scrapie positive caprine tissue homogenate - Dilution 1:5

RS1907 - scrapie negative caprine tissue homogenate

CONCLUSION

All labs have passed this PT round. Well done.

The calculation of the cutoff value made by Lab 896 is not correct

10/02/2020

Giuseppe Ru Director of TSE EURL