

PROFICIENCY TESTING FOR VETERINARY LABORATORIES
RESULTS TABULATION FOR
SCRAPIE SCREENING RAPID TEST - Scheme:
RS20
Distribution date:
20 - 21 - 27 Oct 2020
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	BS640	12/03/2021				2,524	2,8	0,016	0,015			0,1955	PESIG/EET.04 Short Protocol
107	IDEXX	MR325	13/12/2020				3,725	3,779	0,013	0,011			0,192	Short protocol
152	IDEXX	BS640	12/03/2021				3,7271	3,4315	0,0192	0,021			0,2	
200	TeSeE Bio-Rad	0A0076	13/11/2020				3,022	2,949	0,017	0,018	0,018	0,016	0,227	BioRad TeSeE Short Assay Protocol
207	TeSeE BioRad	0E0078	16/04/2021				1,171	1,082	0,007	0,004	0,007	0,007	0,216	A-28/10/20 NSP
234	TeSeE SAP	0C0077	22/01/2021				3,136	3,186	0	0,011	0,006	0,019	0,216	Elisa 271020
244	BSE Scrapie Antigen Test Kit, EIA, IDEXX HERD CHECK	MR325	13/12/2020				3,999	3,999	0,022	0,015			0,198	SHORT PROTOCOL WAS USED
257	TeSeE SAP	0C0077	22/01/2021				2,5	2,559	0,025	0,025	0,025	0,027	0,2035	ROBOT
275	IDEXX	ES082	01/06/2021				3,724	3,686	0,015	0,016			0,196	00-14-1435
278	BioRad TeSeE SAP Combi Kit	0C0077	22/01/2021				3,117	3,192	0,009	0,014	0,011	0,01	0,221	
320	TeSeE Kit BioRad	0E0078	16/04/2021				1,944	2,057	0,007	0,008	0,007	0,008	0,218	
409	Biorad SAP Combi	0C0077	22/01/2021				2,713	2,694	0,016	0,029	0,027	0,022	0,2335	Cut-off for scrapie
424	TeSeE SAP COMBI Kit	0C0077	22/01/2021				3,152	3,304	0,01	0,015	0,011	0,01	0,222	



TSE EURL
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Istituto Superiore di Sanità – Roma

447	Idexx Herdchek	MR325	13/12/2020					3,639	3,236	0,024	0,026			0,204	Ultra Short protocol
468	TeSeE SAP	0A0076	13/11/2020					1,653	1,556	0,005	0,006	0,006	0,006	0,216	
602	IDEXX HerdChek	GSS74	17/09/2021					3,97	3,826	0,013	0,014			0,193	Ultra Short protocol
639	TeSeE	0E0078	16/04/2021					2,232	2,28	0,006	0,007	0,007	0,006	0,217	
660	Bio-Rad	0E0078	16/04/2021					2,895	2,833	0,007	0,008	0,008	0,008	0,218	
667	IDEXX BSE/Scrapie	ES082	01/06/2021					3,999	3,999	0,026	0,024			0,205	Ultra Short Protocol
680	Idexx BSE- Scrapie antigen test	BS640	12/03/2021					3,7941	3,9093	0,0161	0,0167			0,1964	short protocol
718	IDEXX HerdChek	GSS74	17/09/2021					3,999	3,999	0,116	0,061			0,269	short protocol
800	IDEXX HerdChek BSE- Scrapie Antigen	ES082	01/06/2021					3,327	3,308	0,016	0,016			0,196	
831	IDEXX HerdChek BSE/scrapie	BS640	12/03/2021					3,216	3,21	0,021	0,023			0,202	20201103-303.pdf
848	Bio-Rad TeSeE SAP	0C0077	22/01/2021					2,673	2,766	0,022	0,006	0,02	0,01	0,222	The test was performed
896	IDEXX	JR907	31/12/2020					3,409	3,399	0,036	0,022			0,209	
918	TeSeE SAP Combi	0C0077	22/01/2021					2,794	2,7161	0,017	0,017	0,019	0,02	0,228	NSP&Evolis

ELISA									
	RS2001		RS2002		RS2003		RS2004		
Intended	TSE Negative ovine Tissue Homogenate		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:10		TSE Negative ovine Tissue Homogenate		TSE Negative ovine Tissue Homogenate		
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	
038	0,025	Ve-	2,021	Ve++	0,038	Ve-	0,033	Ve-	
107	0,012	Ve-	3,717	Ve+++	0,011	Ve-	0,014	Ve-	
152	0,0348	Ve-	2,6897	Ve+	0,0335	Ve-	0,0336	Ve-	
200	0,019	Ve-	0,369	Ve+	0,02	Ve-	0,019	Ve-	
207	0,008	Ve-	1,252	Ve+	0,008	Ve-	0,008	Ve-	
234	0,02	Ve-	1,857	Ve++	0,002	Ve-	0,016	Ve-	
244	0,015	Ve-	3,999	Ve+++	0,015	Ve-	0,022	Ve-	
257	0,032	Ve-	1,685	Ve++	0,029	Ve-	0,026	Ve-	
275	0,017	Ve-	3,74	Ve+++	0,018	Ve-	0,016	Ve-	
278	0,014	Ve-	0,654	Ve+	0,016	Ve-	0,016	Ve-	
320	0,011	Ve-	1,103	Ve+	0,008	Ve-	0,009	Ve-	
409	0,016	Ve-	1,4	Ve+	0,018	Ve-	0,019	Ve-	
424	0,016	Ve-	1,068	Ve+	0,017	Ve-	0,017	Ve-	
447	0,022	Ve-	3,265	Ve+++	0,027	Ve-	0,02	Ve-	
468	0,01	Ve-	0,393	Ve+	0,008	Ve-	0,01	Ve-	
602	0,013	Ve-	3,092	Ve++	0,017	Ve-	0,015	Ve-	
639	0,006	Ve-	0,901	Ve+	0,007	Ve-	0,006	Ve-	
660	0,009	Ve-	1,979	Ve+	0,009	Ve-	0,009	Ve-	
667	0,021	Ve-	3,431	Ve+++	0,025	Ve-	0,025	Ve-	
680	0,0269	Ve-	2,4439	Ve++	0,0262	Ve-	0,03065	Ve-	
718	0,042	Ve-	3,999	Ve+++	0,054	Ve-	0,087	Ve-	
800	0,019	Ve-	3,184	Ve+++	0,02	Ve-	0,018	Ve-	
831	0,028	Ve-	3,101	Ve+++	0,031	Ve-	0,024	Ve-	
848	0,022	Ve-	1,106	Ve+	0,018	Ve-	0,009	Ve-	
896	0,033	Ve-	2,374	Ve++	0,031	Ve-	0,035	Ve-	
918	0,017	Ve-	1,791	Ve++	0,017	Ve-	0,016	Ve-	

ELISA						
	RS2005		RS2006		RS2007	
Intended	Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:10	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	3,045	Ve+++	2,438	Ve++	1,818	Ve+
107	3,751	Ve+++	3,755	Ve+++	3,708	Ve+++
152	3,666	Ve+	3,996	Ve+	4,355	Ve+
200	0,723	Ve+	0,804	Ve+	0,48	Ve+
207	2,036	Ve++	1,662	Ve+	1,219	Ve+
234	2,446	Ve+++	2,394	Ve+++	1,689	Ve++
244	3,999	Ve+++	3,999	Ve+++	3,999	Ve+++
257	2,522	Ve+++	2,605	Ve+++	1,86	Ve++
275	3,84	Ve+++	3,887	Ve+++	3,739	Ve+++
278	0,906	Ve+	1,354	Ve++	0,39	Ve+
320	1,991	Ve++	1,95	Ve++	1,419	Ve++
409	2,433	Ve++	2,416	Ve++	1,817	Ve++
424	1,965	Ve++	1,329	Ve++	0,979	Ve-
447	3,821	Ve+++	3,27	Ve+++	3,693	Ve+++
468	1,123	Ve++	1,147	Ve++	0,561	Ve+
602	3,94	Ve+++	3,803	Ve+++	3,296	Ve++
639	1,719	Ve++	1,697	Ve++	0,957	Ve+
660	1,89	Ve+	2,503	Ve+	1,995	Ve+
667	3,999	Ve+++	3,999	Ve+++	3,999	Ve+++
680	3,52805	Ve+++	3,26845	Ve+++	2,67595	Ve++
718	3,999	Ve+++	3,925	Ve+++	3,999	Ve+++
800	3,363	Ve+++	3,733	Ve+++	3,211	Ve+++
831	3,123	Ve+++	3,133	Ve+++	3,118	Ve+++
848	1,208	Ve++	1,657	Ve++	1,013	Ve-
896	2,856	Ve++	2,697	Ve++	1,926	Ve+
918	2,545	Ve+++	2,444	Ve+++	2,023	Ve+++

1st Alternative test

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	0E0078	16/04/2021				2,662	2,659	0,015	0,008	0,02	0,017	0,225	PESIG/EET,03
107														
152														
200	IDEXX	BS640	12/03/2021				2,779	2,906	0,03	0,035			0,213	IDEXX BSE-Scrapie Antigen EIA TEST
207														
234	TeSeE S&G	0E0043	16/04/2021				1,491	1,575	0,004	0,005	0,006	0,006	0,145	Elisa 051120
244														
257	Idexx Herd Chek	ES082	01/06/2021				3,685	3,737	0,04	0,045			0,223	ROBOT
275	Thermofisher	W200101G	31/01/2021				POSITIVE		NA				NA	00-14-0308
278														
320														
409														
424														
447														
468														
602	BioRad TeSeE™	0C0077	22/01/2021				2,148	1,998	0,013	0,015	0,023	0,014	0,226	
639														
660														
667	IDEXX Bse/Scrapie	GS574	17/09/2021				3,999	3,999	0,029	0,028			0,209	Short Protocol
680	Idexx BSE-Scrapie antigen test	BS640	12/03/2021				3,999	3,999	0,0245	0,0335			0,209	Short Protocol
718	DEXX HERDCHE	GS574	17/09/2021				3,999	3,999	0,022	0,019			0,2	Short Protocol

	PCW-SLO (modified PrionWESTERN BSE)	W200101G	31/01/2021																	
800																				
831																				
848																				
896																				
918																				

1st Alternative test																			
RS2001				RS2002				RS2003				RS2004							
Intended				TSE Negative ovine Tissue Homogenate				Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:10				TSE Negative ovine Tissue Homogenate				TSE Negative ovine Tissue Homogenate			
Laboratory ID	OD results	Interpretation		OD results	Interpretation			OD results	Interpretation			OD results	Interpretation			OD results	Interpretation		
038	0,018	Ve-		2,16	Ve++			0,025	Ve-			0,016	Ve-						
107																			
152																			
200	0,023	Ve-		3,705	Ve+++			0,025	Ve-			0,033	Ve-						
207		Ve-							Ve-				Ve-						
234	0,007	Ve-		****	Ve+++			0,006	Ve-			0,006	Ve-						
244																			
257	0,052	Ve-		3,635	Ve+++			0,049	Ve-			0,038	Ve-						
275	NA	Ve-		NA	Ve++			NA	Ve-			NA	Ve-						
278																			
320																			
409																			
424																			
447																			
468																			
602	0,041	Ve-		1,1	Ve++			0,02	Ve-			0,019	Ve-						
639																			
660																			
667	0,032	Ve-		3,288	Ve+++			0,036	Ve-			0,029	Ve-						
680	0,0342	Ve-		1,50825	Ve++			0,03605	Ve-			0,0368	Ve-						
718	0,025	Ve-		3,848	Ve+++			0,031	Ve-			0,028	Ve-						
800		Ve-			Ve+++				Ve-				Ve-						
831																			
848																			
896																			
918																			

1st Alternative test						
	RS2005		RS2006		RS2007	
Intended	Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:10	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	3,078	Ve+++	2,859	Ve++	1,995	Ve+
107						
152						
200	3,623	Ve+++	3,906	Ve+++	3,433	Ve+++
207						
234	****	Ve+++	****	Ve+++	3,219	Ve+++
244						
257	3,614	Ve+++	3,51	Ve+++	3,269	Ve+++
275	NA	Ve+++	NA	Ve+++	NA	Ve++
278						
320						
409						
424						
447						
468						
602	1,345	Ve+++	1,936	Ve+++	0,968	Ve++
639						
660	2,0356	Ve++	2,8796	Ve+++	1,34915	Ve++
667	3,595	Ve+++	3,999	Ve+++	1,559	Ve++
680						
718	3,999	Ve+++	3,999	Ve+++	3,882	Ve+++
800		Ve+++		Ve+++		Ve+++
831						
848						
896						
918						

2st Alternative test

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	BS640	12/03/2021				3,391	over(>3, 5)	0,018	0,016			0,197	PESIG/EET.04 Ultra Short Protocol
107														
152														
200														
207														
234														
244														
257														
275														
278														
320														
409														
424														
447														
468														
602														
639														
660														
667	TeSeE sheep/goat	E0042_0E004	16/04/2021				1,197	1,275	0,011	0,012	0,011	0,007	0,1475	
680														
718														
800	PrionWESTERN BSE (PCW)	W200101G	31/01/2021											
831														
848														
896														
918														

2st Alternative test									
	RS2001		RS2002		RS2003		RS2004		
Intended	TSE Negative ovine Tissue Homogenate		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:1.10		TSE Negative ovine Tissue Homogenate		TSE Negative ovine Tissue Homogenate		
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation	
038	0,013	Ve-	over	Ve+++	0,019	Ve-	0,016	Ve-	
107									
152									
200									
207									
234									
244									
257									
275									
278									
320									
409									
424									
447									
468									
602									
639									
660									
667	0,01	Ve-	2,444	Ve++	0,014	Ve-	0,011	Ve-	
680									
718									
800		Ve-		Ve++		Ve-		Ve-	
831									
848									
896									
918									

2st Alternative test

	RS2005		RS2006		RS2007	
Intended	Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:5		Classical SCRAPIE POSITIVE ovine Tissue Homogenate - Dilution 1:10	
Laboratory ID	OD results	Interpretation	OD results	Interpretation	OD results	Interpretation
038	over	Ve+++	over	Ve+++	over	Ve+++
107						
152						
200						
207						
234						
244						
257						
275						
278						
320						
409						
424						
447						
468						
602						
639						
660						
667	2,645	Ve++	2,745	Ve++	2,537	Ve++
680						
718						
800		Ve++		Ve++		Ve++
831						
848						
896						
918						

Sample RS2001 = RS2003 = RS2004

Sample RS2002 = RS2007

Sample RS2005 = RS2006

Comments provided by Elena Bozzetta, IZS PLVA - Turin

Scheme: RS20

RS2001 - scrapie negative ovine tissue homogenate

RS2002 - classical SCRAPIE POSITIVE ovine tissue homogenate - Dilution 1:10

RS2003 - scrapie negative ovine tissue homogenate

RS2004 - scrapie negative ovine tissue homogenate

RS2005 - classical SCRAPIE POSITIVE ovine tissue homogenate - Dilution 1:5

RS2006 - classical SCRAPIE POSITIVE ovine tissue homogenate - Dilution 1:5

RS2007 - classical SCRAPIE POSITIVE ovine tissue homogenate - Dilution 1:10

CONCLUSION

All labs have passed this PT round. Well done.

EURL PT Coordinator
Dr Elena Bozzetta



Director of TSE EURL
Dr. Giuseppe Ru