

SPECIMEN INFORMATION

Volume(ml)	11,500	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	50,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC AC
Total	10	2769,54	240,83	100	
Motile	8	2215,63	192,66	80	
Progressive	3	830,86	72,25	30	

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to	34,62	ml
Total Doses	138	
Progressive Sperm/Dose	12,50	M
Dilute Ejaculate to	16,62	ml
Progressive Doses	66	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	8	2215,63	192,66	80
Medium	0	0,00	0,00	0
Slow	0	0,00	0,00	0
Static	2	553,91	48,17	20

MORPH

Category	Value Accepted	Category	Value Accepted
Normal	0,00 % >= 75 % F6		0,00 % <= 0 %
Proximal	0,00 % <= 25 % F7		0,00 % <= 0 %
Distal	0,00 % <= 25 % F8		0,00 % <= 0 %
Bent	0,00 % <= 25 % F9		0,00 % <= 0 %
Coiled	0,00 % <= 25 % F10		0,00 % <= 0 %
	TOTAL		0 >= 0

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP 157,3	µm/s	41,4
Prog. Velocity	VSL 84,8	µm/s	43,4
Track Speed	VCL 321,7	µm/s	66,9
Lateral Amplitude	ALH 12,1	µm	1,9
Beat Frequency	BCF 24,6	Hz	11,0
Straightness	STR 54	%	27
Linearity	LIN 28	%	17
Elongation	48	%	9,7
Area	4,3	µm sq	1,1

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	8	2215,63	192,66	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	11,500 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	2
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

SPECIMEN INFORMATION

Volume(ml)	7,000	Sample:Diluent	1:0,00
Req. Total Conc.	40,00	Req. Prog. Conc.	25,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC AC
Total	344	382,78	54,68	100	
Motile	245	272,62	38,95	71	
Progressive	168	186,94	26,71	49	

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	10,00	M
Dilute Ejaculate to	9,57	ml
Total Doses	38	
Progressive Sperm/Dose	6,25	M
Dilute Ejaculate to	7,48	ml
Progressive Doses	29	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	220	244,80	34,97	64
Medium	25	27,82	3,97	7
Slow	72	80,12	11,45	21
Static	27	30,04	4,29	8

MORPH

Category	Value	Accepted	Category	Value	Accepted
Normal	0,00 %	>= 75 %	F6	0,00 %	<= 0 %
Proximal	0,00 %	<= 25 %	F7	0,00 %	<= 0 %
Distal	0,00 %	<= 25 %	F8	0,00 %	<= 0 %
Bent	0,00 %	<= 25 %	F9	0,00 %	<= 0 %
Coiled	0,00 %	<= 25 %	F10	0,00 %	<= 0 %
TOTAL				0	>= 0

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP 96,4	µm/s	37,0
Prog. Velocity	VSL 75,5	µm/s	31,2
Track Speed	VCL 161,7	µm/s	70,3
Lateral Amplitude	ALH 7,2	µm	3,6
Beat Frequency	BCF 35,4	Hz	10,0
Straightness	STR 80	%	19
Linearity	LIN 50	%	18
Elongation	51	%	14,0
Area	4,8	µm sq	2,4

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	317	352,74	50,39	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	7,000 ml, diluted 1 : 0,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	3
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

09/07/2020

SPECIMEN INFORMATION

Volume(ml)	2,200	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	50,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC AC
Total	66	1748,42	794,74	100	
Motile	33	874,21	397,37	50	
Progressive	26	688,77	313,08	39	

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to Total Doses	21,86	ml
	87	
Progressive Sperm/Dose	12,50	M
Dilute Ejaculate to Progressive Doses	13,78	ml
	55	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	30	794,74	361,24	45
Medium	3	79,47	36,12	5
Slow	2	52,98	24,08	3
Static	31	821,23	373,29	47

MORPH

Category	Value	Accepted	Category	Value	Accepted
Normal	0,00 %	>= 75 %	F6	0,00 %	<= 0 %
Proximal	0,00 %	<= 25 %	F7	0,00 %	<= 0 %
Distal	0,00 %	<= 25 %	F8	0,00 %	<= 0 %
Bent	0,00 %	<= 25 %	F9	0,00 %	<= 0 %
Coiled	0,00 %	<= 25 %	F10	0,00 %	<= 0 %
			TOTAL	0	>= 0

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP	136,8	µm/s
Prog. Velocity	VSL	119,2	µm/s
Track Speed	VCL	230,2	µm/s
Lateral Amplitude	ALH	10,6	µm
Beat Frequency	BCF	27,9	Hz
Straightness	STR	84	%
Linearity	LIN	52	%
Elongation		46	%
Area		4,4	µm sq

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	35	927,19	421,45	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	2,200 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	4
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

SPECIMEN INFORMATION

Volume(ml)	16,700	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	50,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

no volume some

FINALE 80ml
320 obs

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC AC
Total	40	10724,94	642,21	100	
Motile	29	7775,58	465,60	73	
Progressive	20	5362,47	321,11	50	

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to Total Doses	134,06	ml
	536	
Progressive Sperm/Dose	12,50	M
Dilute Ejaculate to Progressive Doses	107,25	ml
	428	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	29	7775,58	465,60	73
Medium	0	0,00	0,00	0
Slow	4	1072,49	64,22	10
Static	7	1876,86	112,39	18

MORPH

Category	Value	Accepted	Category	Value	Accepted
Normal	0,00 %	>= 75 %	F6	0,00 %	<= 0 %
Proximal	0,00 %	<= 25 %	F7	0,00 %	<= 0 %
Distal	0,00 %	<= 25 %	F8	0,00 %	<= 0 %
Bent	0,00 %	<= 25 %	F9	0,00 %	<= 0 %
Coiled	0,00 %	<= 25 %	F10	0,00 %	<= 0 %
			TOTAL	0	>= 0

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP	104,5	µm/s
Prog. Velocity	VSL	82,2	µm/s
Track Speed	VCL	188,2	µm/s
Lateral Amplitude	ALH	9,1	µm
Beat Frequency	BCF	30,5	Hz
Straightness	STR	76	%
Linearity	LIN	44	%
Elongation		46	%
Area		4,2	µm sq

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	33	8848,08	529,82	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	16,700 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	3
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

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AGRIS RIPR
Summary Report

ALL

29/06/2020 15:13:13
IT095990341811 (No. 4)

SPECIMEN INFORMATION

Volume(ml)	7,900	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	50,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC AC
Total	269	34119,12	4318,88	100	
Motile	197	24986,86	3162,89	73	
Progressive	128	16235,12	2055,08	48	

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to	426,49	ml
Total Doses	1705	
Progressive Sperm/Dose	12,50	M
Dilute Ejaculate to	324,70	ml
Progressive Doses	1298	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	162	20547,57	2600,96	60
Medium	35	4439,29	561,94	13
Slow	40	5073,47	642,21	15
Static	32	4058,78	513,77	12

MORPH

Category	Value	Accepted	Category	Value	Accepted
Normal	0,00 %	>= 75 %	F6	0,00 %	<= 0 %
Proximal	0,00 %	<= 25 %	F7	0,00 %	<= 0 %
Distal	0,00 %	<= 25 %	F8	0,00 %	<= 0 %
Bent	0,00 %	<= 25 %	F9	0,00 %	<= 0 %
Coiled	0,00 %	<= 25 %	F10	0,00 %	<= 0 %
			TOTAL	0	>= 0

AGRIS RIPR
Supplementary Report

29/06/2020 15:13:13
IT095990341811 (No. 4)

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP 98,3	µm/s	44,5
Prog. Velocity	VSL 76,8	µm/s	40,0
Track Speed	VCL 170,1	µm/s	74,1
Lateral Amplitude	ALH 9,1	µm	3,7
Beat Frequency	BCF 30,5	Hz	10,8
Straightness	STR 78	%	17
Linearity	LIN 47	%	16
Elongation	42	%	13,0
Area	4,8	µm sq	2,3

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	237	30060,34	3805,11	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	7,900 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	3
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

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AGRIS RIPR
Summary Report

29/06/2020 14:35:26
IT095990316329 (No.) *MDS*

SPECIMEN INFORMATION

Volume(ml)	15,400	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	50,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC	AC
Total	58	10755,44	698,41	100		
Motile	36	6675,79	433,49	62		
Progressive	21	3894,21	252,87	36		

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to	134,44	ml
Total Doses	537	
Progressive Sperm/Dose	12,50	M
Dilute Ejaculate to	77,88	ml
Progressive Doses	311	

*311 -> suplicorno doni
Tot. no spermatozoi*

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	35	6490,35	421,45	60
Medium	1	185,44	12,04	2
Slow	4	741,75	48,17	7
Static	18	3337,90	216,75	31

MORPH

Category	Value	Accepted	Category	Value	Accepted
Normal	0,00 %	>= 75 %	F6	0,00 %	<= 0 %
Proximal	0,00 %	<= 25 %	F7	0,00 %	<= 0 %
Distal	0,00 %	<= 25 %	F8	0,00 %	<= 0 %
Bent	0,00 %	<= 25 %	F9	0,00 %	<= 0 %
Coiled	0,00 %	<= 25 %	F10	0,00 %	<= 0 %
TOTAL				0	>= 0

AGRIS RIPR
Supplementary Report

29/06/2020 14:35:26
IT095990316329 (No.)

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP	137,4	µm/s
Prog. Velocity	VSL	96,7	µm/s
Track Speed	VCL	258,2	µm/s
Lateral Amplitude	ALH	11,6	µm
Beat Frequency	BCF	33,7	Hz
Straightness	STR	70	%
Linearity	LIN	40	%
Elongation		44	%
Area		5,1	µm sq

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	40	7417,55	481,66	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	15,400 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	4
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

SPECIMEN INFORMATION

Volume(ml)	11,900	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	50,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent	CC AC
Total	58	11081,37	931,21	100	
Motile	39	7451,26	626,16	67	
Progressive	22	4203,28	353,22	38	

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to	138,52	ml
Total Doses	554	
Progressive Sperm/Dose	12,50	M
Dilute Ejaculate to	84,07	ml
Progressive Doses	336 *	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	28	5349,63	449,55	48
Medium	11	2101,64	176,61	19
Slow	12	2292,70	192,66	21
Static	7	1337,41	112,39	12

MORPH

Category	Value	Accepted	Category	Value	Accepted
Normal	0,00 %	>= 75 %	F6	0,00 %	<= 0 %
Proximal	0,00 %	<= 25 %	F7	0,00 %	<= 0 %
Distal	0,00 %	<= 25 %	F8	0,00 %	<= 0 %
Bent	0,00 %	<= 25 %	F9	0,00 %	<= 0 %
Coiled	0,00 %	<= 25 %	F10	0,00 %	<= 0 %
TOTAL				0	>= 0

MEAN VALUES

Parameter	Value	Units	Standard Deviation	
Path Velocity	VAP	94,5	µm/s	43,9
Prog. Velocity	VSL	77,4	µm/s	39,9
Track Speed	VCL	153,7	µm/s	80,6
Lateral Amplitude	ALH	7,9	µm	2,8
Beat Frequency	BCF	30,6	Hz	10,1
Straightness	STR	83	%	17
Linearity	LIN	57	%	22
Elongation		44	%	14,1
Area		4,1	µm sq	1,9

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	51	9743,96	818,82	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	11,900 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	3
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT

* Decidiamo di diluire considerando i progressivi perché non è un seme eccezionale.

AGRIS RIPR
Summary Report

IT095990190744MDS2 (No.)

SPECIMEN INFORMATION

Volume(ml)	6,900	Sample:Diluent	1:100,00
Req. Total Conc.	80,00	Req. Prog. Conc.	40,00
Dose Volume	0,25		
Procedure			
Series			
Collection Time			
Test Chemical			
Diluent			
pH			

COUNT SUMMARY

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Total	72	7976,27	1155,98	100
Motile	57	6314,55	915,15	79
Progressive	46	5095,95	738,54	64

ANIMAL RESULTS

Parameter	Value	Units
Total Sperm/Dose	20,00	M
Dilute Ejaculate to Total Doses	99,70	ml
	398	
Progressive Sperm/Dose	10,00	M
Dilute Ejaculate to Progressive Doses	127,40	ml
	509	

VELOCITY DISTRIBUTION

Category(Abbr)	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Rapid	55	6092,99	883,04	76
Medium	2	221,56	32,11	3
Slow	4	443,13	64,22	6
Static	11	1218,60	176,61	15

MORPH

Category	Value Accepted	Category	Value Accepted
Normal	0,00 % >= 75 %	F6	0,00 % <= 0 %
Proximal	0,00 % <= 25 %	F7	0,00 % <= 0 %
Distal	0,00 % <= 25 %	F8	0,00 % <= 0 %
Bent	0,00 % <= 25 %	F9	0,00 % <= 0 %
Coiled	0,00 % <= 25 %	F10	0,00 % <= 0 %
	TOTAL		0 >= 0

AGRIS RIPR
Supplementary Report

IT095990190744MDS2 (No.)

22/06/2020

U13-65

MEAN VALUES

Parameter	Value	Units	Standard Deviation
Path Velocity	VAP 126,0	µm/s	45,4
Prog. Velocity	VSL 104,8	µm/s	43,7
Track Speed	VCL 210,6	µm/s	77,1
Lateral Amplitude	ALH 8,7	µm	3,8
Beat Frequency	BCF 29,3	Hz	6,1
Straightness	STR 83	%	15
Linearity	LIN 53	%	19
Elongation	51	%	13,3
Area	5,6	µm sq	1,2

SORT RESULTS - (#) Deletes tracks

Category	Cells Counted	Sample (M)	Concentration (M/ml)	Percent
Sort A(#)	61	6757,67	979,37	100

TECHNICAL INFORMATION

Parameter	Value
Specimen Information	6,900 ml, diluted 1 : 100,00
Analysis Setup	Bovini (30 frames @60 Hz)
Chamber	Leja4 (20,0 µm)
Magnification	2,31
Fields Acquired	3
Temperature	0,0°C (set to 22,0°C)
Video Source	60 Hz, dark field
Illumination Intensity	2016
Configuration	CC AC AT