



PARTICIPANT STATISTICS

SECOND SHIPMENT 2011

EMBRYOLOGY

Media Acceptability

		With Protein				Without Protein			
		Specimen 1		Specimen 2		Specimen 1		Specimen 2	
		Yes	No	Yes	No	Yes	No	Yes	No
Mouse Embryo									
Oil Overlay used	Non-Frozen, two cell	1			1	1			1
Oil Overlay used	Frozen, one cell	50	3	3	50	48	3		51
Oil Overlay used	Frozen, two cell	93	4	3	94	91	2	1	92
Oil Overlay used	Mouse IVF	1			1	1			1
No Oil Overlay	Non-Frozen, one cell	1			1	1			1
No Oil Overlay	Frozen, one cell	7	1	1	7	7	1		8
No Oil Overlay	Frozen, two cell	25		1	24	24	1	1	24
Total Population		185	8	8	185	179	7	2	184
Flagging			***	***			***	***	

Human Sperm Survival

Oil Overlay used		31	4		35	31	3		34
No Oil Overlay		97	4	11	90	91	13	5	99
Flagging		134	9	12	132	129	17	6	140
Total Population			***	***			***	***	

Hamster Sperm Motility

No Oil Overlay		2			2	2			2
Flagging		2	0	0	2	2	0	0	2
Total Population			***	***			***	***	

Mouse Embryo Data

	With Protein				Without Protein				No. of Labs
	Specimen 1		Specimen 2		Specimen 1		Specimen 2		
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
No. of embryos cultured									
Overlay and Cells									
Oil Overlay used & Frozen, one cell	15.9	5.0	15.7	5.1	15.0	5.0	13.6	4.2	54
Oil Overlay used & Frozen, two cell	12.6	3.8	12.8	3.7	12.8	4.1	11.9	3.3	97
No Oil Overlay & Frozen, two cell	12.7	4.4	13.9	5.2	12.3	4.7	13.2	5.3	25
Overlay									
Oil Overlay used	13.9	4.7	13.9	4.5	13.7	4.6	12.5	3.8	153
No Oil Overlay	13.6	4.8	14.5	5.3	13.2	5.1	13.6	5.2	35
Total Population	12.5	2.7	12.6	2.6	12.4	2.7	12.1	2.4	194

No. of blastocysts formed at endpoint

Overlay and Cells									
Oil Overlay used & Frozen, one cell	14.2	4.7	3.8	1.0	13.4	4.1	2.0	0.0	54
Oil Overlay used & Frozen, two cell	12.3	3.9	1.0	0.0	11.3	3.0	1.9	0.9	97
No Oil Overlay & Frozen, two cell	12.2	4.2	1.0	0.0	12.7	3.4	0.2	1.2	25
Overlay									
Oil Overlay used	13.0	4.3	3.8	1.0	12.1	3.6	1.9	0.9	153
No Oil Overlay	12.9	4.3	1.0	0.0	13.2	4.0	1.8	1.5	35
Total Population	12.3	2.6	2.0	0.0	11.2	2.4	1.0	0.0	194

Percent blastocyst formation

Overlay and Cells									
Oil Overlay used & Frozen, one cell	91.5	9.0	20.8	11.0	91.8	8.5	7.5	0.7	54
Oil Overlay used & Frozen, two cell	96.3	6.1	7.0	3.3	95.1	6.3	0.1	0.8	97
No Oil Overlay & Frozen, two cell	96.6	4.4	0.0	0.0	95.7	6.6	0.0	0.0	25

Mouse Embryo Data

	With Protein				Without Protein				No. of Labs
	Specimen 1		Specimen 2		Specimen 1		Specimen 2		
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Percent blastocyst formation									
Overlay									
Oil Overlay used	94.6	7.6	15.6	11.1	94.0	7.3	7.5	0.7	153
No Oil Overlay	95.4	4.8	6.0	2.8	94.4	6.7	4.7	1.5	35
Total Population	94.7	7.1	6.7	5.2	94.1	7.1	2.0	2.6	194

Human Sperm Data	With Protein				Without Protein				
	Specimen 1		Specimen 2		Specimen 1		Specimen 2		
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Initial percent motility									
Overlay									
Oil Overlay used	88.8	8.5	88.8	8.5	88.7	8.6	88.9	8.5	35.0
No Oil Overlay	89.7	8.2	89.4	8.4	88.8	8.3	89.5	8.2	104.0
Total Population	89.4	8.3	89.1	8.5	88.7	8.4	88.4	8.3	147.0
Percent motility at 24 hours									
Overlay									
Oil Overlay used	75.1	10.0	26.4	11.8	70.5	12.7	22.2	4.9	35.0
No Oil Overlay	83.0	10.3	48.0	13.1	76.3	13.6	39.3	10.7	101.0
Total Population	81.2	10.6	42.5	7.7	77.3	11.0	38.4	8.0	144.0
Percent motility at 48 hours									
Overlay									
Oil Overlay used	53.3	10.1	10.2	0.8	45.3	13.9	6.7	3.1	31.0
No Oil Overlay	70.6	15.3	23.6	7.1	65.0	16.1	16.7	5.9	95.0
Total Population	67.9	12.4	21.5	4.2	61.3	11.7	14.9	4.0	134.0
Post-Equilibration pH of Culture Medium									
	Mean	SD	Mean	SD	No. of Labs				
	7.285	0.086	7.290	0.112	255				

Correct responses are defined as those reflecting agreement among 80% or more of all participants or referees. Unacceptable responses are indicated by "*****" on the Flagging line of each specimen.