



PARTICIPANT STATISTICS

FIRST SHIPMENT 2011

EMBRYOLOGY

Medium 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, one cell	0	1	1	0	0	1	1	0
Oil Overlay used	Non-Frozen, two cell	0	1	1	0	0	1	1	0
Oil Overlay used	Frozen, one cell	1	52	46	7	3	48	50	1
Oil Overlay used	Frozen, two cell	1	91	89	3	0	89	87	2
Oil Overlay used	Mouse IVF	0	2	2	0	0	1	1	0
No Oil Overlay	Non-Frozen, one cell	0	1	0	1	0	1	0	1
No Oil Overlay	Non-Frozen, two cell	0	1	1	0	0	1	1	0
No Oil Overlay	Frozen, one cell	0	4	4	0	0	4	4	0
No Oil Overlay	Frozen, two cell	1	24	25	0	1	25	26	0
Flagging		*****		*****		*****		*****	
Total Population		3	182	174	11	4	176	175	5

Human Sperm Survival

Oil Overlay used	0	34	31	2	0	33	31	2	
No Oil Overlay	11	88	94	5	8	94	94	8	
Flagging		*****		*****		*****		*****	
Total Population		11	129	132	7	8	134	132	10

Hamster Sperm Motility

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

Due to a lack of participant consensus, Hamster Sperm Motility was not evaluated this event.

		With Protein				Without Protein				No. of Labs
		Specimen 1		Specimen 2		Specimen 1		Specimen 2		
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Mouse Embryo Data										
No. of embryos cultured										
Overlay and Cells										
Oil Overlay used & Frozen, one cell		15.7	4.4	15.8	4.7	15.7	4.7	15.8	4.9	53
Oil Overlay used & Frozen, two cell		13.3	4.6	13.1	4.3	13.0	4.1	12.6	4.1	92
No Oil Overlay & Frozen, two cell		14.6	4.3	14.0	4.1	13.3	4.0	14.7	4.9	26
Overlay										
Oil Overlay used		14.1	4.7	14.1	4.7	14.0	4.5	13.8	4.7	149
No Oil Overlay		14.5	4.7	13.6	3.9	12.9	3.8	14.2	4.7	33
Total Population		13.0	2.9	12.9	2.8	13.0	2.8	12.8	2.7	187
No. of blastocysts formed at endpoint										
Overlay and Cells										
Oil Overlay used & Frozen, one cell		2.0	0.0	13.9	4.6	2.0	0.0	14.1	5.1	53
Oil Overlay used & Frozen, two cell		2.4	0.9	13.3	4.4	2.8	1.3	11.7	3.6	92
No Oil Overlay & Frozen, two cell		1.0	0.0	13.8	4.2	3.2	1.5	13.2	4.0	26
Overlay										
Oil Overlay used		2.4	0.9	13.5	4.5	3.1	1.6	12.6	4.4	149
No Oil Overlay		1.0	0.0	13.3	4.2	3.2	1.5	12.7	4.0	33
Total Population		2.0	0.0	12.8	3.0	2.1	0.4	12.1	2.5	187

Percent blastocyst formation

Overlay and Cells

Oil Overlay used & Frozen, one cell	9.8	5.1	88.3	15.1	15.6	7.9	88.5	10.0	53
Oil Overlay used & Frozen, two cell	0.1	0.6	95.8	6.3	0.1	0.6	95.6	6.4	92
No Oil Overlay & Frozen, two cell	0.5	2.2	97.1	4.6	0.5	2.6	95.3	5.7	26

Mouse Embryo Data**Percent blastocyst formation**

Overlay

	With Protein				Without Protein				No. of Labs
	Specimen 1		Specimen 2		Specimen 1		Specimen 2		
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Oil Overlay used	9.7	4.8	92.8	11.1	15.6	7.9	92.9	8.5	149
No Oil Overlay	0.0	0.0	95.6	6.5	0.0	0.0	94.6	5.9	33
Total Population	5.1	4.2	93.3	10.4	4.0	5.7	92.9	9.2	187

Human Sperm Data**Initial percent motility**

Overlay

	With Protein				Without Protein				No. of Labs
	Specimen 1		Specimen 2		Specimen 1		Specimen 2		
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Oil Overlay used	88.7	9.3	88.6	9.3	88.1	9.5	88.3	9.6	35
No Oil Overlay	87.5	9.4	87.9	9.4	86.8	9.6	87.4	9.3	102
Total Population	88.1	9.2	88.4	9.2	97.2	9.6	87.6	9.4	146

Percent motility at 24 hours

Overlay

Oil Overlay used	23.8	11.2	74.6	10.4	17.1	11.6	68.9	13.5	35
No Oil Overlay	47.1	18.1	79.2	12	39.8	12	76.4	14	100
Total Population	41.5	8.7	78.7	11.2	33.9	7.1	75.2	13.4	144

Percent motility at 48 hours

Overlay

Oil Overlay used	9.7	0.8	53.1	10.3	6.1	3.1	46.6	14.5	31
No Oil Overlay	19.3	8.7	69.3	14.5	18.8	6.2	67.1	15.0	94
Total Population	19.2	3.5	65.3	10.9	16.5	3.4	63.4	10.9	133

Post-Equilibration pH of Culture Medium

	Mean	SD	Mean	SD	No. of Labs
	7.293	0.103	7.296	0.104	245

indicated by "*****" on the Flagging line of each specimen.