



PARTICIPANT STATISTICS

SECOND SHIPMENT 2018

ANDROLOGY - SPERM MOTILITY

Sperm Motility, %	Line No	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
Initial Grouping by Reagent										
Makler	1	39 - 65 P	51.7	9.3	43 - 71 P	57.0	10.5		322	
Cell-Vu	2	36 - 61 P	48.6	9.0	41 - 69 P	55.1	9.7		23	
MicroCell	3	37 - 62 P	49.9	5.4	42 - 70 P	55.6	8.7		15	
Initial Grouping by Sensitivity or Principle										
All Manual Chambers	4	39 - 64 P	51.5	9.2	43 - 71 P	56.8	10.4		360	
Total Population										
Whole Population	5	39 - 64 P	51.5	9.2	43 - 71 P	56.9	10.4		366	

Forward Progression, % of Total	Line No	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
Initial Grouping by Reagent										
Makler	1	24 - 48 C	35.7	14.5	30 - 54 C	42.2	15.5		179	
Initial Grouping by Sensitivity or Principle										
All manual counting chambers	2	24 - 48 C	35.6	14.5	30 - 54 C	42.1	15.5		188	
Total Population										
Whole Population	3	23 - 47 C	35.3	14.7	30 - 54 C	41.7	15.9		192	

Forward Progression, % of Motile	Line No	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
Initial Grouping by Reagent										
Makler	1	50 - 84 P	67.3	19.3	56 - 93 P	74.4	19.0		134	
Initial Grouping by Sensitivity or Principle										
All manual counting chambers	2	50 - 84 P	67.1	19.2	56 - 93 P	74.1	18.9		139	
Total Population										
Whole Population	3	50 - 84 P	66.9	19.1	55 - 93 P	74.0	18.7		142	

Forward Progression Semi-Quantitative Method	Specimen 1					Specimen 2				
	Makler	Cell-Vu	MicroCell	All Labs	Flagging	Makler	Cell-Vu	MicroCell	All Labs	Flagging
1 (Non motile)				0	***				0	***
2 (Motile, but not progressive)	10		2	12	***	6		1	7	***
3 (Progressive, but sluggish)	82	5	5	93		63	4	1	68	
4 (Good progressive motility)	46	1		47		75	3	5	84	
0 (No motility)				0	***				0	***
1 (Poor or sluggish)	1			1	***	2			2	***
2 (Moderate)	48	3	3	54		21	2		23	
3 (Good)	19	2	1	22		34	2	4	40	
4 (Vigorous, rapid)	1			1		6			6	
0 (No movement)				0	***				0	***
1 (Movement, none forward)				0	***				0	***
1 (Occasional movement of a few sperm)				0	***				0	***
2 (Slow, undirected)	4			4	***	1			1	***
2 (Slow, directed forward movement)	7	2		9		6	1		7	
3- (Fast, but undirected movement)	5			5		4	1		5	
3 (Fast, directed forward movement)	4			4		9			9	
3+ (Very fast forward movement)				0	***				0	***
4 (Extremely fast forward movement)				0	***				0	***
Total Population	227	13	11	252		227	13	11	252	

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.