



**PARTICIPANT STATISTICS**

**FIRST SHIPMENT 2018**

**ANDROLOGY - SPERM MOTILITY**

Sperm Motility, %	Line No	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
<b>Initial Grouping by Reagent</b>										
Makler	1	47 - 78	P	62.2	9.8	45 - 75	P	59.7	9.7	284
Cell-Vu	2	47 - 78	P	62.2	7.5	46 - 77	P	61.4	8.8	31
MicroCell	3	45 - 76	P	60.5	7.7	46 - 77	P	61.9	7.4	14
<b>Initial Grouping by Sensitivity or Principle</b>										
All Manual Chambers	4	47 - 78	P	62.2	9.5	45 - 75	P	59.9	9.5	329
<b>Total Population</b>										
Whole Population	5	47 - 78	P	62.1	9.4	45 - 75	P	59.9	9.5	354

Forward Progression, % of Total	Line No	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
<b>Initial Grouping by Reagent</b>										
Makler	1	39 - 64	P	51.4	11.5	37 - 62	P	49.5	12.9	176
Cell-Vu	2	42 - 70	P	56.3	7.6	41 - 68	P	54.4	6.8	12
<b>Initial Grouping by Sensitivity or Principle</b>										
All manual counting chambers	3	39 - 65	P	51.7	11.3	37 - 62	P	49.8	12.7	188
<b>Total Population</b>										
Whole Population	4	39 - 65	P	51.7	11.3	37 - 62	P	49.7	12.6	189

Forward Progression, % of Motile	Line No	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
<b>Initial Grouping by Reagent</b>										
Makler	1	60 - 100	P	80.4	14.0	60 - 100	P	80.3	15.1	120
<b>Initial Grouping by Sensitivity or Principle</b>										
All manual counting chambers	2	60 - 101	P	80.5	13.9	60 - 100	P	80.4	15.0	126
<b>Total Population</b>										
Whole Population	3	60 - 101	P	80.5	13.8	60 - 100	P	80.2	15.1	128

**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)	4		1	5	***	2		1	3	***
3 (Progressive, but sluggish)	43	4	2	49		35	5	1	42	
4 (Good progressive motility)	81	5	1	88		88	4	2	94	
0 (No motility)				0	***				0	***
1 (Poor or sluggish)				0	***				0	***
2 (Moderate)	16		2	19		13		1	14	
3 (Good)	43	4	1	48		44	4	2	51	
4 (Vigorous, rapid)	1			1		5			5	
0 (No movement)				0	***				0	***
1 (Movement, none forward)				0	***				0	***
1 (Occasional movement of a few sperm)				0	***				0	***
2 (Slow, undirected)				0	***				0	***
2 (Slow, directed forward movement)	4	2	3	9		6		3	9	
3- (Fast, but undirected movement)	2			2	***	1	1		2	***
3 (Fast, directed forward movement)	17	1		20		17	2		21	
3+ (Very fast forward movement)	7			7		5			5	
4 (Extremely fast forward movement)				0	***				0	***
<b>Total Population</b>	<b>218</b>	<b>16</b>	<b>10</b>	<b>248</b>		<b>216</b>	<b>16</b>	<b>10</b>	<b>246</b>	

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.