



PARTICIPANT STATISTICS

FIRST SHIPMENT 2022

ANDROLOGY - SPERM MOTILITY

Sperm Motility, %	Stat Line	Specimen 1						Specimen 2						No. of Labs
		Range	Flag	Type	Mean	SD	CV	Range	Flag	Type	Mean	SD	CV	
Initial Grouping by Reagent														
Makler	1	0 - 12		C	0.1	1.2	1200.0%	22 - 46		C	34.4	20.8	0.605	372
Cell-Vu	2	0 - 12		C	0.0	0.0		21 - 45		C	33	6.2	0.188	16
MicroCell	3	0 - 12		C	0.0	0.0		23 - 47		C	35.4	7	0.198	10
Initial Grouping by Sensitivity or Principle														
All Manual Chambers	4	0 - 12		C	0.1	1.2	1200.0%	22 - 46		C	34.4	20.2	0.587	398
Total Population														
Whole Population	5	0 - 12		C	0.1	1.2	1200.0%	23 - 47		C	34.5	20.2	0.586	401

Forward Progression, % of Total	Stat Line	Specimen 1						Specimen 2						No. of Labs
		Range	Flag	Type	Mean	SD	CV	Range	Flag	Type	Mean	SD	CV	
Initial Grouping by Reagent														
Makler	1	0 - 12		C	0.3	2.6	866.7%	16 - 40		C	27.8	17.4	0.626	206
Cell-Vu	2	0 - 12		C	0.0	0.0		16 - 40		C	27.6	5.1	0.185	8
Initial Grouping by Sensitivity or Principle														
All manual counting chambers	3	0 - 12		C	0.3	2.5	833.3%	16 - 40		C	27.8	17.1	0.615	214
Total Population														
Whole Population	4	0 - 12		C	0.4	2.8	700.0%	16 - 40		C	27.8	17	0.612	219

Forward Progression, % of Motile	Stat Line	Specimen 1						Specimen 2						No. of Labs
		Range	Flag	Type	Mean	SD	CV	Range	Flag	Type	Mean	SD	CV	
Initial Grouping by Reagent														
Makler	1	0 - 13		C	0.5	4.2	840.0%	64 - 106		P	85	71.1	0.836	152
Initial Grouping by Sensitivity or Principle														
All manual counting chambers	2	0 - 13		C	0.5	4.2	840.0%	64 - 106		P	85	70.7	0.832	153
Total Population														
Whole Population	3	0 - 13		C	0.5	4.2	840.0%	64 - 107		P	85.2	70	0.822	157

Forward Progression Semi-Quantitative

Method	Specimen 1					Specimen 2				
	Makler	MicroCell	Cell-Vu	All Labs	Flagging	Makler	MicroCell	Cell-Vu	All Labs	Flagging
1 (Non motile)	167	4	7	183		0			0	***
2 (Motile, but not progressive)	0			0	***	13			13	***
3 (Progressive, but sluggish)	0			0	***	135	4	5	147	
4 (Good progressive motility)	1			1	***	26		1	29	
1 (Non motile)	0			0		0			0	***
2 (Motile, but not progressive)	0			0	***	0			0	***
3 (Progressive, but sluggish)	0			0	***	1			1	***
4 (Good progressive motility)	0			0	***	0				
0 (No motility)	65	4	1	70		1			1	***
1 (Poor or sluggish)	0			0	***	3			3	***
2 (Moderate)	0			0	***	28	2	2	32	
3 (Good)	0			0	***	19	2		21	
4 (Vigorous, rapid)	0			0	***	2			2	
0 (No movement)	30			31		0			0	***
1 (Movement, none forward)	0			0	***	0			0	***
1 (Occasional movement of a few sperm)	0			0	***	0			0	***
2 (Slow, undirected)	0			0	***	7			7	***
2 (Slow, directed forward movement)	0			0	***	18			19	
3- (Fast, but undirected movement)	0			0	***	2			2	***
3 (Fast, directed forward movement)	0			0	***	9			9	
3 (Very fast forward movement)	0			0	***	0			0	***
4 (Extremely fast forward movement)	0			0	***	0			0	***
Count too low to evaluate	1			1					0	***
Total Population	264	8	8	286		264	8		286	

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.