

I. Key Parameter:

Parameter	Result	Reference range of WHO 5 th
pH	7.8	≥ 7.2
Concentration	225.3 M/ml	≥ 15 M/ml
Normal Morphology	5%	≥ 4%
Total Motility	74% (MSC:166.7 M/ml)	≥ 40%
Progressive (PR)	42% (PMSC:94.6 M/ml)	≥ 32%

Note:

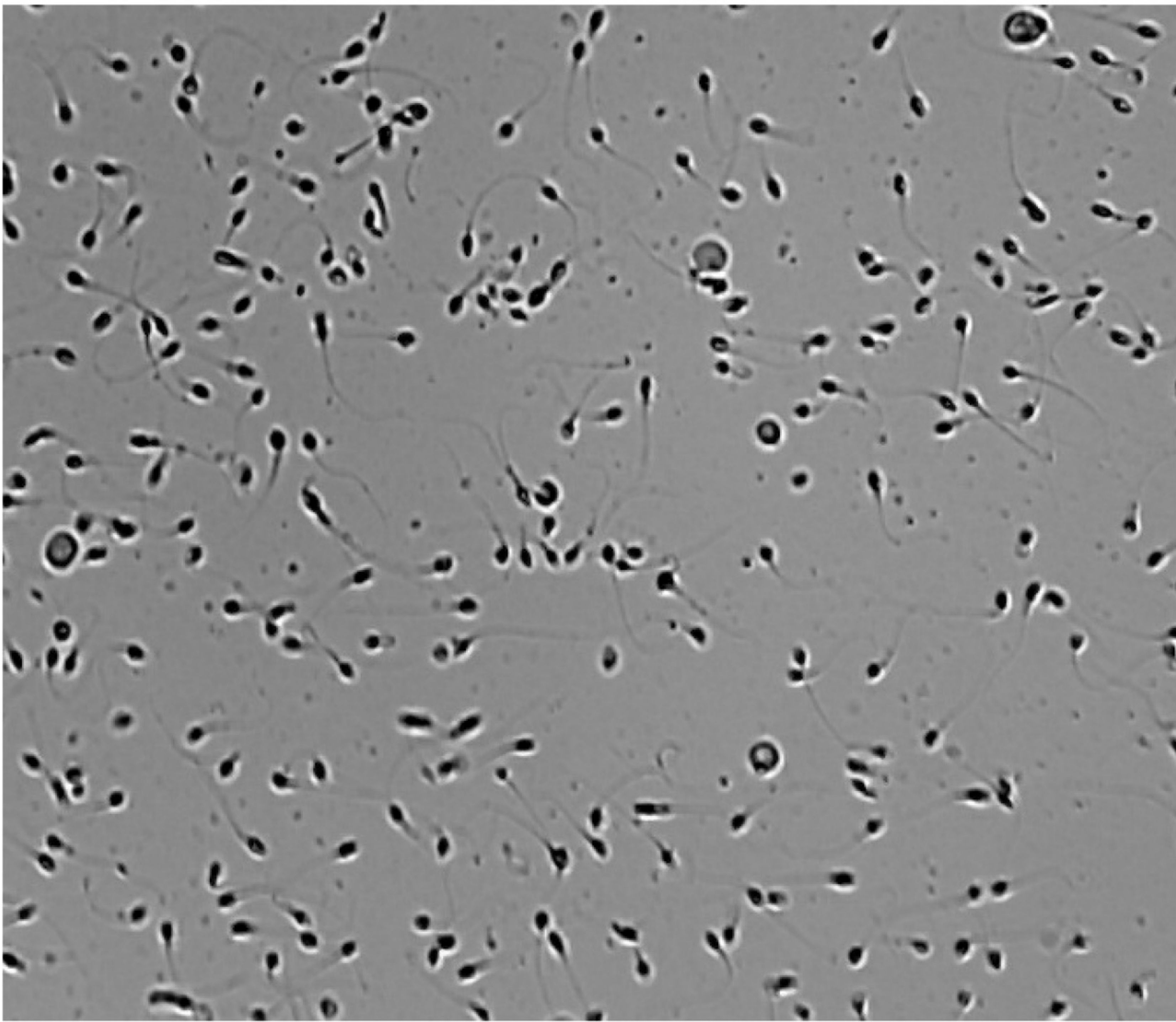
- MSC: Motile Sperm Concentration.
- PMSC: Progressive Motile Sperm Concentration.

II. Detail Parameter:

Total Motility: 74 %							
Progressive (PR): 42 % Non-Progressive (NP): 32 % Immotility (IM) : 26 %			Motile (VAP ≥ 25µm/s): 11 % Local Motile (5µm/s ≤ VAP < 25µm/s): 31 %				
(µm/s)			(%)			(µm, Hz)	
VAP (Mean)	15 µm/s		LIN (Mean)	42 %		ALH (Mean)	2.35 µm
VSL (Mean)	11 µm/s		STR (Mean)	68 %		BCF (Mean)	5.85 Hz
VCL (Mean)	26 µm/s		WOB (Mean)	57 %			
VAP Distribution			STR Distribution			ALH Distribution	
[0-5µm/s]	15		[0-10%]	6		[0-2µm]	43
[5-15µm/s]	37		[10-20%]	4		[2-4µm]	47
[15-25µm/s]	33		[20-30%]	4		[4-6µm]	10
[25-35µm/s]	15		[30-40%]	7		[6-8µm]	0
[35-45µm/s]	0		[40-50%]	7		[8-10µm]	0
[45+µm/s]	0		[50-60%]	5		[10-12µm]	0
Total	100 %		[60-70%]	10		[12+µm]	0
VSL Distribution			[70-80%]	11		Total	100 %
[0-5µm/s]	32		[80-90%]	20			
[5-15µm/s]	34		[90-100%]	26			
[15-25µm/s]	28		Total	100 %			
[25-35µm/s]	6						
[35-45µm/s]	0						
[45+µm/s]	0						
Total	100 %						
Normal Morphology: 5 %							
Assessed parameters		Mean		Abnormal Ratio			
Head Length:		5.28 µm		54.91 %			
Head Width:		3.30 µm		47.69 %			
Head Perimeter:		13.19 µm		39.60 %			
Head Area:		13.28 µm²		36.99 %			
Tail Length:		15.13 µm		19.00 %			

III. Other Reference Parameter:

Parameter	Result	Reference range of WHO 5 th
Volume	1.8ml	≥ 1.5ml
Color	Pale Yellow	Greyish White to Pale Yellow
Liquefaction Time	30 ~ 60 min	≤ 60 min
Total Sperm number	405.5M	≥ 39M



Inspector Signature: _____

IV. Diagnose & Comment:

Dr. Signature: _____