

Test Time: 2020/02/20 08:13

Device Series: X10SE21M10015

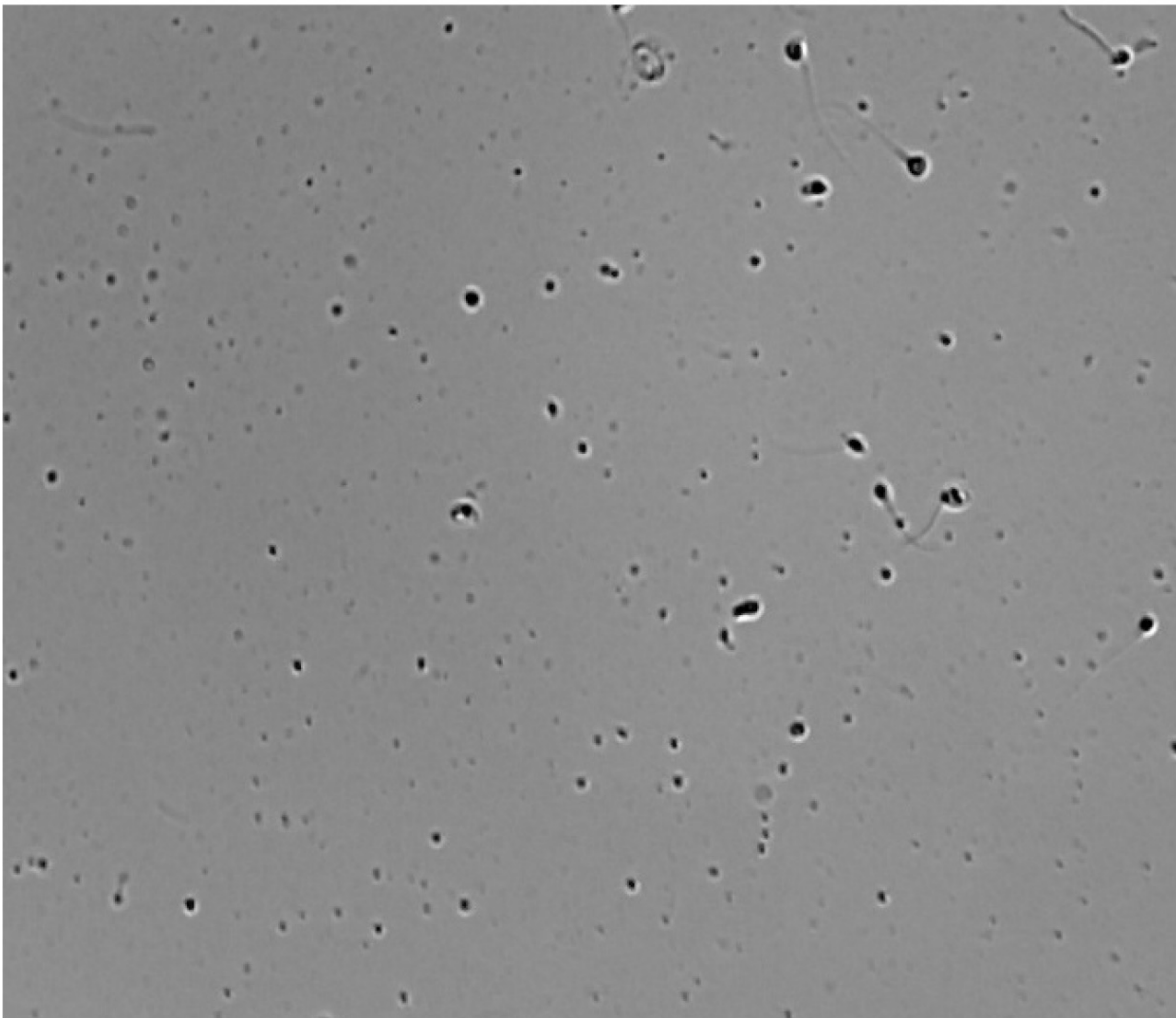
Parameter	Result	Reference range of WHO 5 th
pH	7.4	≥ 7.2
Concentration	<u>4.0 M/ml</u>	≥ 15 M/ml
Normal Morphology	<u>3%</u>	≥ 4%
Total Motility	<u>< 1% (MSC:< 0.1 M/ml)</u>	≥ 40%
Progressive (PR)	<u>< 1% (PMSC:< 0.1 M/ml)</u>	≥ 32%

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

Total Motility: < 1 %							
Progressive (PR): < 1 % Non-Progressive (NP): < 1 % Immotility (IM) : 100 %			Motile (VAP ≥ 25µm/s): < 1 % Local Motile (5µm/s ≤ VAP < 25µm/s): < 1 %				
(µm/s)			(%)			(µm, Hz)	
VAP (Mean)	0 µm/s		LIN (Mean)	0 %		ALH (Mean)	0.00 µm
VSL (Mean)	0 µm/s		STR (Mean)	0 %		BCF (Mean)	0.00 Hz
VCL (Mean)	0 µm/s		WOB (Mean)	0 %			
VAP Distribution			STR Distribution			ALH Distribution	
[0-5µm/s]	100		[0-10%]	100		[0-2µm]	100
[5-15µm/s]	0		[10-20%]	0		[2-4µm]	0
[15-25µm/s]	0		[20-30%]	0		[4-6µm]	0
[25-35µm/s]	0		[30-40%]	0		[6-8µm]	0
[35-45µm/s]	0		[40-50%]	0		[8-10µm]	0
[45+µm/s]	0		[50-60%]	0		[10-12µm]	0
Total	100 %		[60-70%]	0		[12+µm]	0
			[70-80%]	0		Total	100 %
			[80-90%]	0			
			[90-100%]	0			
			Total	100 %			
VSL Distribution							
[0-5µm/s]	100						
[5-15µm/s]	0						
[15-25µm/s]	0						
[25-35µm/s]	0						
[35-45µm/s]	0						
[45+µm/s]	0						
Total	100 %						
Normal Morphology: 3 %							
Assessed parameters		Mean		Abnormal Ratio			
Head Length:		4.74 µm		35.29 %			
Head Width:		3.48 µm		52.94 %			
Head Perimeter:		12.56 µm		47.06 %			
Head Area:		12.67 µm²		29.41 %			
Tail Length:		20.49 µm		18.43 %			

III. Other Reference Parameter:

Parameter	Result	Reference range of WHO 5 th
Volume	0.5ml	≥ 1.5ml
Color	Pale Yellow	Greyish White to Pale Yellow
Liquefaction Time	30 ~ 60 min	≤ 60 min
Total Sperm number	2.0M	≥ 39M



Inspector Signature: _____

IV. Diagnose & Comment:

Dr. Signature: _____