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**Reporting Title:** Strict Sperm Morphology, Slide  
**Performing Location:** Rochester**Additional Testing Requirements:**

Conventional semen analysis (FER / Semen Analysis, Semen) should be performed in conjunction with each strict criteria sperm morphology.

**Shipping Instructions:**

Send specimen Monday through Friday

**Necessary Information:**

Sperm count/mL is required (million/mL).

**Specimen Requirements:**

Patient Preparation: Patient should have 2 to 7 days of sexual abstinence at the time of semen collection for accurate results.

Container/Tube: Slides

Specimen Volume: 2 slides-10 microL of liquefied semen on each slide

Collection Instructions:

1. If sperm concentration is <10 million/mL, centrifuge the specimen at 300 x G for 10 minutes before making slides.
- 2 Label 2 frosted slides in pencil with the patient's first and last name and the date of specimen collection. No adhesive labels.
3. Allow the semen to liquefy for 30 minutes.
4. Place 10 mcL of liquefied semen on the label end of each slide, and evenly smear the specimen using a plain slide (this process is the same as making a blood smear).
5. Allow the smears to air dry for 15 minutes before placing both slides into 1 slide holder for shipment.

**Specimen Minimum Volume:**

A minimum count of sperm is needed; lab will determine

Specimen Type	Temperature	Time	Special Container
Semen	Ambient		

## Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
MSTC1	OSSC1	Sperm Count/mL(x10(6), XX.X)	Plain Text	No

## Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
OVAL2	Strict Morph NL <b>Also used by tests: MSTC</b>	Numeric	%	10622-9
ACRSM	Acrosom Defect <b>Also used by tests: MSTC</b>	Numeric	%	66494-6
HDSAB	Head Shape Abnormal <b>Also used by tests: MSTC</b>	Numeric	%	66495-3
HDZAB	Head Size Abnormal <b>Also used by tests: MSTC</b>	Numeric	%	66496-1
MD	Midpiece Defect <b>Also used by tests: MSTC</b>	Numeric	%	10603-9
TAILD	Tail Defect <b>Also used by tests: MSTC</b>	Numeric	%	10604-7
DBLF	Double Forms <b>Also used by tests: MSTC</b>	Numeric	%	66497-9
MULTI	Multiple Defects <b>Also used by tests: MSTC</b>	Numeric	%	66498-7
GERM3	Germ Cells/mL <b>Also used by tests: MSTC</b>	Numeric	x10(6)	10576-7
WBC6	WBC/mL <b>Also used by tests: MSTC</b>	Numeric	x10(6)	10579-1
CMT56	Comment <b>Also used by tests: MSTC</b>	Alphanumeric		48767-8

LOINC and CPT codes are provided by the performing laboratory.

## Supplemental Report:

No

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**CPT Code Information:**

89398

**Reference Values:**

Normal forms:  $\geq 4.0\%$

Germinal cells/mL

$< 4 \times 10^6$  (normal)

$\geq 4 \times 10^6$  (elevated germinal cells in semen are of unknown clinical significance)

WBC/mL

$< 1 \times 10^6$  (normal)

$\geq 1 \times 10^6$  (elevated white blood cells in semen are of questionable clinical significance)