

Attachment N. Questionnaire for men in semen sub-study

Boxes to be completed by ZIPER staff

ZIPER ID: _____	VISIT CODE _____
-----------------	------------------

SAMPLE COLLECTION DATA

SAMPLE PRODUCTION	SAMPLE RECEIPT
<input type="checkbox"/> GENES Fertility Clinic <input type="checkbox"/> Auxilio Mutuo <input type="checkbox"/> Home <input type="checkbox"/> Other: _____	<input type="checkbox"/> GENES Fertility Clinic <input type="checkbox"/> Auxilio Mutuo <input type="checkbox"/> Home <input type="checkbox"/> Other: _____
COLLECTION DATE (mm/dd/yy) _____	RECEIPT DATE (mm/dd/yy) _____
COLLECTION TIME _____ AM <input type="checkbox"/> PM <input type="checkbox"/>	RECEIPT TIME _____ AM <input type="checkbox"/> PM <input type="checkbox"/>
ABSTINENCE (including masturbation) (days) _____	

LABORATORY FINDINGS

PHYSICAL SEMEN ANALYSIS – TIME \_\_\_\_\_ AM  PM

Characteristic	Appearance	Characteristic	Appearance
Liquefaction (< 30 min)	Complete <input type="checkbox"/> incomplete <input type="checkbox"/>	WBC's/hpf	(Normal < 2/hpf)
Viscosity	Normal <input type="checkbox"/> increased <input type="checkbox"/>	Debris	(Normal + 1- + 3)
Turbidity	Transparent <input type="checkbox"/> translucent <input type="checkbox"/> opaque <input type="checkbox"/>	pH	(Normal= 7.2-8.0)
Color	White <input type="checkbox"/> yellow <input type="checkbox"/> clear <input type="checkbox"/> other <input type="checkbox"/>	Bacteria	Yes <input type="checkbox"/> No <input type="checkbox"/> Moderate <input type="checkbox"/>
Agglutination/(type)	YES <input type="checkbox"/> NO <input type="checkbox"/> Type: (~%): _____	Other	Round Cell's (    ); Epit. C's (    )
Hemospermia	YES <input type="checkbox"/> NO <input type="checkbox"/>		

QUANTITATIVE/ QUALITATIVE SEMEN ANALYSIS

Characteristics	Observed values	Reference Values
Volume (ml)	_____	(1.5-5.0 ml)
Concentration (x 10 <sup>6</sup> /ml)	_____	(≥ 20 x 10 <sup>6</sup> /ml) <b>*Mean Conc. (see below)</b>
Count (x 10 <sup>6</sup> )	_____	(≥ 40 x 10 <sup>6</sup> )
Motility (%)	_____	(≥ 40 %)
Total motile sperm (x 10 <sup>6</sup> )	_____	(≥ 20 x 10 <sup>6</sup> )
Progressive motility (%)	_____	(+3/+4; ≥ 25%)
Estimated morphology (% Normal)	_____	(≥ 14%) <b>Kruger's Strict Criteria</b>
Total Functional Sperm Fraction	_____	(> 10 x10 <sup>6</sup> /ejaculate)

\*CONC 1 x 10<sup>6</sup>/ml \_\_\_\_\_ \*CONC 2 x 10<sup>6</sup>/ml \_\_\_\_\_ \*MEAN CONC x 10<sup>6</sup>/ml \_\_\_\_\_

SPERM PROGRESSION/VIABILITY TEST

Time	Grade 1 (%)	Grade 2 (%)	Grade 3 (%)	Grade 4 (%)	Total Motility (%)
Hour 1	_____	_____	_____	_____	_____

SPERM MEMBRANE INTEGRITY/FUNCTIONAL TESTS

If motility < 50 %, determine Live/Dead ratio with Supravital Stain (%): \_\_\_\_\_

STRICT SPERM MORPHOLOGY

Normal/abnormal forms (%): \_\_\_\_\_ Normal (≥ 14%) Kruger's Strict Criteria

Head (%) \_\_\_\_\_ Tail (%) \_\_\_\_\_ Immature (%) \_\_\_\_\_  
 Nuclear (%) \_\_\_\_\_ Neck-Midpiece (%) \_\_\_\_\_ Amorphous (%) \_\_\_\_\_  
 Acrosome (%) \_\_\_\_\_ Cytoplasmic droplets (%) \_\_\_\_\_

**Preliminary comments and diagnostic:** \_\_\_\_\_

**Person(s) who analyzed specimen:** \_\_\_\_\_