



QwikCheck DFI Kit

Quick Reference Guide

Training Video



1 Sperm Concentration

Assess Sperm Concentration
(Using SQA-Vision or Microscope)

Dilute or Centrifuge the Sample to
Reach Optimal Range (per table)

2 Prepare Lys Plus Solution

Mix **1 mL** of Lys 2 Solution with Lys 2
Powder to Create "Lys Plus"*

3 Prepare the Agarose

Melt Agarose
(90°C for **2 Minutes**)

Incubate Agarose
(37°C for **5 Minutes**)

Mix **40 µL** of Prepared Semen with the
Melted Agarose and Mix well

4 Agarose Coated Slide

Place 2 x 20 µL Drops of Semen
Mixture on Agarose Coated Slide
(10mm Apart in the Viewable Area)

Cover the Slide with a Coverslip
(24mm x 40mm)

Refrigerate the Slide
(2°-8°C for **5 Minutes**)

Carefully pull out the Coverslip with a
slide motion parallel to the slide

5 Slide Washing & Staining

Lys 1 Solution: Add **1 mL** on the slide
(Wait **2.5 Minutes**)
Decant Lys 1

Lys Plus Solution: Add **1 mL** on the
slide
(Wait **10 Minutes**)

Decant the Slide and then Wash with
Washing Solution
(**Flood** the slide for **2 Minutes**)

Fixative: Add **4 Drops** to the Slide
(Wait **4 Minutes**)

Decant the Wipe the Backside Dry
(Do Not Touch Front)
Air Dry for 5-15 Minutes

Giemsa A: Add **6 Drops**
(Wait **1 Minute**)
Do Not Decant

Giemsa B: Add **9 Drops**
(Wait **2 Minute**)

Decant, then **Wash** with **Distilled
Water** using a Squeeze Bottle*
(60 Seconds Maximum)

*The Water stream should touch only the
frosted part of the slide and flow downward
over the slide

Decant the Slide and Wipe the
Backside Dry (Do Not Touch Front)
Air Dry for 5-15 Minutes

6 Classify Halos

Assess Sperms Using the SQA-Vision
or Microscope @1000 Magnification