



# 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