



**Next Generation**

# Quick Check™-Jr. User Guide

## Operation

Prior to using the Quick Check, please review the environmental precautions below to ensure a long and trouble-free life of the unit. Failure to observe these precautions could lead to inaccurate readings, or damage to the unit.

- Keep all liquids away from the unit. Prior to inserting a cuvette, ensure that the cuvette is clean and dry so that no foreign material gets trapped inside the optical cavity. DO NOT attempt to fill the cuvette while it is in the unit. Accidental spillage of semen into the optical cavity will corrode the sensitive optical elements.
- Ensure that the battery is fresh.
- Although the design of the Quick Check compensates for temperature variations and gives accurate results over a wide range of temperatures, extreme temperatures should be avoided. When temperatures are too cold (less than 32 degrees Fahrenheit), the display will seem "sluggish". When too hot (greater than 110 degrees Fahrenheit), the display will appear dark. Returning the unit to normal temperatures should result in normal operation. Take care, however, when taking readings after a quick temperature change in the unit. In humid environments, condensation can occur when quickly changing from a cold temperature to a warm temperature. Condensation on the optical elements can affect the accuracy of the unit. Any time the unit's temperature is changed dramatically, it is a good idea to allow the unit to stabilize at the new temperature for an hour to ensure proper readings.
- Before each use, use the supplied cuvette standard to check the calibration of the unit. If the reading reads within the range printed on the top of the cuvette, the unit is working normally. Keep the standard in a safe place: it is custom calibrated to your unit.
- Be careful not to drop the Quick Check, it is a sensitive electronic instrument.

```
Quick Check JR
v2.7 (TM) *=Read
```

The Quick Check requires only a few moments to turn on. The display will look something similar to:

As soon as the display has the "\*=Read" text showing, the unit is ready to read the sample.

### Reading Sperm Concentration

1. **Fill a 4 ml Cuvette with either straight un-diluted gel free semen. Ensure that the cuvette is filled at least half way (2 ml).** Tap the cuvette gently on a hard surface to remove any trapped air bubbles on the side of the cuvette, as they will impact the accuracy of the reading.
2. **Insert the cuvette into the unit** with clear surfaces facing top and bottom, and the uneven surfaces to the sides.
3. **Press the '\*' key.** The display should read alternately:

Reading Sample.	*****
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and

After approximately 20 seconds, the concentration will be displayed:

```
xxx.x Million/ml
*=Calc
```

The xxx.x represents the number of spermatozoa in the sample in Millions per ml.

```
x.xml semen SH
yy.yml ext*=Read
```

4. Press the '\*' key to obtain semen extender calculations for a 750 Million dose (750M motile sperm @ 70% Motility):

Each dose should be prepared with x.x ml raw semen, and yy.y ml extender. The SH designator following the semen volume indicates that this extension calculation is for Cool Shipping. The shipping calculations are based on the following concentration parameters:

- A minimum of 5:1 ratio of extender to raw semen. Extender ratios less than 5:1 may result in low motility after shipment.

- A maximum post extension concentration of 30M/ml.

Note: for very low concentrations, <100M/ml, large doses (>50ml) must be shipped for a full 750 Million sperm. A low concentration ejaculate can be increased using centrifuging, however some research shows that this technique can potentially lower conception rates. To improve concentration, limit the time spent teasing the stallion, as it has been shown that while this increases the volume of the ejaculate, total sperm count generally remains constant.

5. To read a new sample, go to step #2.

## Warranty

### What your warranty covers:

1. Defects in materials or workmanship.

### For how long after your purchase:

2. One year from date of purchase.

### What we will do:

3. Provide you with a new, or at our option, a refurbished unit.

4. The exchange unit is under warranty for the remainder of the original product's warranty period.

### How to make a warranty claim:

1. Properly pack your unit. Include any cables, etc., which were originally provided with the product. We recommend using the original carton and packing materials.

2. "Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period, must be presented to obtain warranty service." Also print your name and address and a description of the defect. Send via standard UPS or its equivalent to:

Primo Ponies and Sporthorses  
4808 East China Hill Road  
El Dorado, CA 95623

1. Pay any charges billed to you by the Exchange Center for service not covered by the warranty.

2. Insure your shipment for loss or damage. Primo Ponies and Sporthorses accepts no liability in case of damage or loss en route to Primo Ponies.

3. A new or refurbished unit will be shipped to you freight prepaid.

### What your warranty does not cover:

1. Installation and calibration.

2. Batteries.

3. Damage from misuse or neglect.

4. Products that have been modified or incorporated into other products.

5. Acts of nature, such as but not limited to lightning damage.

### Limitation of Warranty:

1. THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY PRIMO PONIES, ITS AGENTS, OR ITS EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.

2. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. PRIMO PONIES SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTIES ARE GOVERNED BY THE STATE OF CALIFORNIA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.