

Quick Use Guide: IgG Assay [Serum/Plasma] using the DVM Rapid Test™

1) Remove **WHITE-CAPPED REAGENT TUBE** and one **PINK-CAPPED SAMPLE BLANK TUBE** per serum or plasma sample to be tested from the refrigerator and allow equilibrating to room temperature.

Note: room temperature = 20-22°C or 68-72°F

2) Label all tubes with the Sample I.D, i.e. one **REAGENT TUBE** and one **BLANK TUBE** per sample.

3) Pipette 10 µl serum or plasma sample *into each* of the appropriate **WHITE-CAPPED REAGENT TUBE** and **PINK-CAPPED SAMPLE BLANK TUBE**. Mix well by gently inverting 5 times.

4) Incubate tubes at room temperature for 10 minutes.

5) After turning on the DVM-Rapid Test™ (by pressing the “On/Off” key), the instrument will display a welcome message followed by "**Model 942 %T**", followed by "**INSERT BLANK**".

6) At the end of the 10 minute incubation, mix tubes well by gently inverting 5 times.

7) At the "**INSERT BLANK**" prompt, insert the appropriate **PINK-CAPPED SAMPLE BLANK TUBE** into the cuvette well. The instrument display will read “**Reading Blank**” followed by “**Remove Blank**”. Remove the tube.

8) At the "**INSERT SAMPLE**" prompt, place the appropriate **WHITE-CAPPED REAGENT TUBE** into the cuvette well. The unit will read the sample and display the **%T**. Record this value. Remove the tube.

9) Repeat steps 7-8 until all samples are read.

Note: Tubes should be prepared and then evaluated for %T in the same order; therefore incubation times will be as close as possible 10 minutes in each case.

10) Locate the appropriate %T Conversion Chart in your DVM Rapid Test™ Data Manual. (Use the chart specific for the Test and Species being tested). The corresponding concentration value in mg/dl is listed for each %T value.

Note: Instrument will automatically turn itself off after 15 minutes of non-use.

IgG Controls:

An IgG-control sample is provided with each reagent kit. This sample can be evaluated in the same manner as a test sample. The expected IgG level [as a range] is provided on the IgG Control Product sheet provided with the reagent kit.

Instrument Calibration Check:

In order to determine that the instrument is performing properly, the primary reference standards (supplied with the instrument) should be evaluated on a weekly basis.

Procedure:

- 1) Turn on the instrument.
- 2) Use the 0 NTU Standards to blank the machine.
- 3) Determine and record the %T values for the 100 NTU standards.
- 4) Repeat steps 2-3 using the 400 and 800 NTU standards. Results should be within %T Range shown on the “Calibration QC Log” [section 7 of the “Operation Manual”]. See section 4.5 of the “Operation Manual” for troubleshooting guidelines, if needed.