



## SYPHILIS REAGENT PREPARATION

### 0.9% Saline Solution (Normal Saline)

Measure 100.0 ml deionized water (DI), (note: a “Class A” graduate cylinder should be used)

Add a small portion of the measured deionized water to an Erlenmeyer flask containing a magnetic stir bar,

Weigh 0.9 gm NaCl (USP grade preferred) into a disposable weigh boat,

Transfer it into the Erlenmeyer flask containing the magnetic stir bar and the portion of DI,

Add the remainder of the deionized water

Place the flask on a magnetic stirring plate and stir until the NaCl is totally dissolved. Very slight heating may aid in this.

Dispense solution into the desired containers and autoclave for 30 minutes. Allow to cool before use.

### 1:50 Diluent for RPR Quantitation

Note: This procedure utilizes potentially infectious patient specimens. Gloves, eye protection, and protective clothing are required.

Obtain a patient specimen previously determined to be Non-reactive.

Using an appropriate pipettor mix 20 µl of Non-reactive serum into 1000 µl of sterile 0.9% Saline in a clean container.

Use this diluent in the quantitation of RPR Reactive patient specimens.

## **Cheat Sheet for Quantitative Syphilis**

### **50 to 1 Dilution**

<b>Saline Dilution</b>	<b>20 µl NonReactive Serum/1000 µl Saline</b>
(1:1 No Dilution)	1:32
1:2	1:64
1:4	1:128
1:8	1:256
1:16	1:512
	1:1024