

1. Keep the **10X Wash Buffer** at 37°C for 10 min
2. **1X Wash Buffer:** Add 1 Part of **10X Wash Buffer** to 10 Parts of distilled water.
3. **1X Diluent:** Add 1 Part of **10X Diluent** to 10 Parts of **1X Wash Buffer**.
4. **1X IgM Assay Diluent** (Sufficient for 1 slide): Add 1 mL of **4X IgM Assay Diluent** to 3 mL **1X Diluent**.
5. **For IgG test:** Dilute serum samples to 1:200 in **1X Diluent**.
 - a. Add 50µL of the diluted serum samples to the **ToRCH PictArray** slide according to the sample layout.
 - b. Incubate the slide at 37°C for 30 minutes.
 - c. Aspirate samples and wash the wells 3 times with 50µl of **1X Wash Buffer**.
 - d. Prepare **1X Conjugate G** by diluting the appropriate volume of **20X Conjugate G** in **1X Diluent** using **Table 1**.
 - e. Add 50µL of **1X Conjugate G** to all appropriate wells.
 - f. Incubate the slide at 37°C for 30 minutes (Proceed to Step 7).
6. **For IgM test:** Dilute serum samples to 1:100 in **1X IgM Assay Diluent**.
 - a. Add 50µL of the diluted serum samples to the **ToRCH PictArray** slide according to the sample layout.
 - b. Incubate the slide at 37°C for 30 minutes.
 - c. Aspirate samples and wash the wells 3 times with 50µl of **1X Wash Buffer**.
 - d. Prepare **1X Conjugate M** by diluting the appropriate volume of **20X Conjugate M** in **1X Diluent** using **Table 1**.
 - e. Add 50µL of **1X Conjugate M** to all appropriate wells.
 - f. Incubate the slide at 37°C for 30 minutes.



Table 1: Preparation of 1X Solutions

Number of wells	1X Diluent (μl)	20X Reagents* (μl)
2	200	10
4	300	15
6	400	20
8	500	25
10	600	30
12	700	35
14	800	40
16	900	45

* Conjugate G, Conjugate M, Detection Reagent and Substrate A

- Aspirate 1X Conjugate from the wells and wash the wells 3 times with 50 μl of **1X Wash Buffer**.
- Prepare 1X Detection Reagent by diluting the appropriate volume of **20X Detection Reagent in 1X Diluent** using **Table 1**.
- Add 50 μL of **1X Detection Reagent** to all wells.
- Incubate the slide at 37°C for 30 minutes.
- Aspirate Detection Reagent from the wells and wash the wells 3 times with 50 μl of **1X Wash Buffer**.
- Prepare **1X Substrate Solution** by diluting the appropriate volume of **20X Substrate A** in **1X Substrate B** using **Table 1**.
- Add 50 μL of **1X Substrate** Solution to all wells.
- Incubate the slide at room temperature for 5 minutes.
- Aspirate Substrate Solution and wash the wells once with 50 μl of **1X Wash Buffer**.
- Dry the slide at 37°C for 30 minutes and read on PictImager.
- Analyze the results using Pictorial.

Note: For complete instructions please visit www.pictordx.com

SIMPLE



AFFORDABLE



ACCURATE

