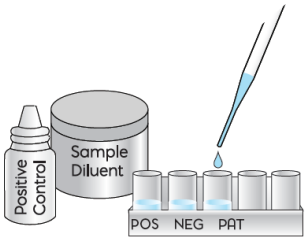
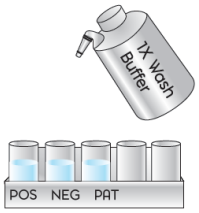
premier®
Cryptococcal Antigen

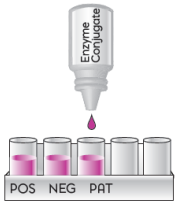
TEST PROCEDURE
How to perform the test



1. Detach microwells needed, place in holder. Add 1 drop of Positive Control, 50 µL of Sample Diluent (Negative Control) and 50 µL of patient sample to designated wells. Mix by gently shaking. Incubate at room temperature for 10 minutes.

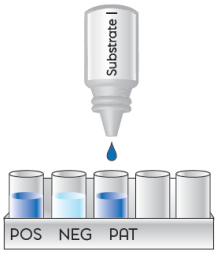


2. Wash 4 times with 1X Wash Buffer. See package insert for proper washing procedure.

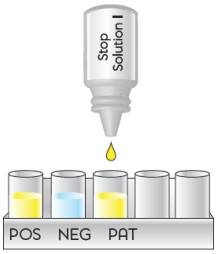


3. Add 1 drop of Enzyme Conjugate to all wells, and shake gently. Incubate at room temperature for 10 minutes.

4. Wash 4 times with 1X Wash Buffer. See package insert for proper washing procedure.



5. Add 2 drops of Substrate I to all wells. Mix by gently shaking for 15-20 seconds. Incubate at room temperature for 10 minutes.



6. Add 2 drops of Stop Solution I to all wells. Mix by gently shaking and wait 2 minutes before reading.

Semi-quantitative Assay

1. Label tubes #1 through #5. In tube #1 combine 100 µL specimen and 100 µL of Sample Diluent.
2. Place 200 µL of Sample Diluent in tubes #2-#5. Transfer 50 µL from tube #1 to tube #2 and continue this through tube #5.
3. For increased precision, perform the procedure using a pipette in place of the dropper bottle tips.

Interpretation of Results:

Visual
Negative= colorless
Positive= definite yellow color

Spectrophotometric Single Wavelength (450 nm)
Negative= OD_{450} < 0.100
Indeterminant= OD_{450} ≥ 0.100 and < 0.150
Positive= OD_{450} ≥ 0.150

Dual Wavelength (450/630 nm)
Negative= $OD_{450/630}$ < 0.070
Indeterminant= $OD_{450/630}$ ≥ 0.070 and < 0.100
Positive= $OD_{450/630}$ ≥ 0.100

EIA Titer =
Absorbance Value x Multiplication Factor
Example: The patient specimen has an absorbance of 1.2 at a 1:50 dilution.
1.2 x 500 = 600
Which is reported as an EIA Titer of 1:600

Calculation Multiplication Factors =

Tube	1	2	3	4	5
Dilution	1:2	1:10	1:50	1:250	1:1250
Multiplication Factor	20	100	500	2500	12500

This illustration is representative of the current Package Insert at the time of publication. Please refer to the most current version of the Package Insert for complete instructions.

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