


Premier Cryptococcal Antigen Test Procedure

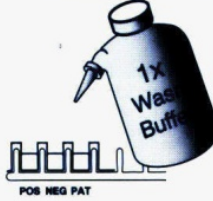
Screening Assay

1




Detach microwells needed, place in holder. Add 1 drop of Positive Control, 50 μ l of Sample Diluent (Negative Control) and 50 μ l 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




Repeat wash procedure as in step 2.

5



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

Interpretation of Results:

Visual

Negative = colorless
Positive = definite yellow color

Spectrophotometric Single Wavelength (450nm)

Negative = OD 450 < 0.100
Indeterminate = OD 450 \geq 0.100 but < 0.150
Positive = OD 450 \geq 0.150

Dual Wavelength (450/630nm)

Negative = OD 450/630 < 0.070
Indeterminate = OD 450/630 \geq 0.070 but < 0.100
Positive = OD 450/630 \geq 0.100

Note: This chart does not contain complete instructions for use. For further information please thoroughly read package insert.

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Semi-quantitative Assay

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

See package insert for complete instructions.

EIA Titer =

Absorbance Value x Multiplication Factor

Example: The patient specimen has an absorbance of 1.2 at a 1:50 dilution.

$$1.2 \times 500 = 600$$

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