

Fast • Accurate • Easy-to-Use
Self-filling Test Ampoule



Test Kit Information

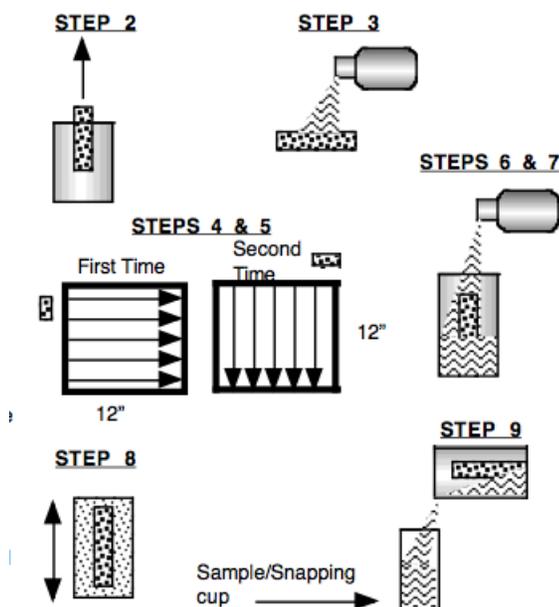
Contains: 1 Self-contained Total Microbe Micro Inspector Test, 1 Instruction Sheet, 1 Zip Lock Bag with Sterile Wiping Sponge, 1 Sterile Glove and 1 Rinse Solution Container (provided solution container to be used also as a sample cup).

Overview

The Total Microbe Micro Inspector is a unique, self-contained single-use test that screens for aerobic and facultative microbial activity (non-specifically) plus mold and fungus. The vacuum sealed ampoule contains pre-measured pre-mixed biochemical reagents. Ampoule filling is accomplished by simply pushing down and breaking off the ampoule tip in the sample cup.

Taking the Sample

Sample Site Selection: is the "Wipe Zone". The "Wipe Zone" should be an area of approximately 144 square inches (1 foot x 1 foot). Normally, a "Wipe Zone" is one area. Suggested sample areas should be part of your buildings air circulation system i.e. inside air ducts, air vent surfaces or air filters.



1. Put on the sterile glove.
2. Open the zip lock bag and remove the wiping sponge.
3. Apply a small amount of rinse solution to the surface of the wiping sponge to make contact with the "WIPE ZONE".
4. Using a single direction motion, wipe the "WIPE ZONE". It is not desirable to apply a lot of downward pressure on the sponge which will cause the sponge to lose the rinse solution. Contact is all that is necessary. See the illustration for the desired wipe pattern.
5. Having gone over the "WIPE ZONE" in one direction, turn the sponge over and wipe the same area in the opposite direction. (Steps 4 & 5)
6. Put the sponge back in the zip lock bag.
7. Pour the rest of the rinse solution over the sponge and close the zip lock bag.
8. Shake the zip lock bag vigorously for about 20-30 seconds. This action is intended to wash the microbes off the sponge surface into the solution.
9. Immediately after the shake, pour the contents into the sample cup and run the Total Microbe Micro Inspector Test.

Indoor Air Quality Test

Running the Micro Inspector Test

Fill supplied sample cup (provided solution container to be used also as a sample cup).

Place the tip of the test ampoule diagonally to the bottom of the Sample Cup and push to break the ampoule tip. The test ampoule will automatically fill with the liquid.

Be sure not to remove the ampoule until it is full.

Gently rock the filled test ampoule back and forth for 30 seconds (longer if the sample is cold) to mix the test reagent.

Incubate at approximately 75F for 24 hours.

Observe Results

Observe color by looking at the bottom end of the ampoule while pointing the opposite end towards a light source and match to this chart.

Color	Inspection Time		
	4 Hours	12 Hours	24 Hours
CLEAR	Continue Test	Continue Test	Negative
Light Pink	Continue Test	Continue Test	Negative
RED	Dangerous	Problem	Warning

FUNGI Floating red particles indicate presence of fungal spores

QUANTITATIVE TEST RESULTS		
ELAPSED TIME	INCUBATION	
0.5 Hours	10^8	Critical
2.5 Hours	10^7	
4.5 Hours	10^6	Problem
6.0 Hours	10^5	
7.0 Hours	10^4	Cautiously Okay
9.0 Hours	10^3	
16.0 Hours	10^2	Okay
24.0Hours	10^1	

Disposal

The microbes in Micro Inspector will automatically die from lack of oxygen and food. In this state, it can be safely put to trash.

Part # ST9200IAQ

<https://www.simpltek.com/site/products/micro.html> | Phone: (631) 864-0099