K9055C CARBON DIOXIDE/CAMPY INDICATORS

K9055C is a single phase phenol red indicator used for monitoring the atmosphere in candle jars and with Carbon Dioxide or Campy generators.

DIRECTIONS:

Remove and discard the cap. Add three drops of chlorine-free neutral pH water to the tube and drop the tube into the jar. The water will be absorbed and will not leak. The tablet should turn red within a few seconds. The water may take a few minutes to absorb the tablet color.

STORAGE:

Tablets are light and moisture sensitive-store in the dark at 0-76 F (room temperature or frozen).

INGREDIENTS:

Each tablet contains a phenol-red indicator in an inert base of dextrose and fillers. The tablets are non-flammable, non-combustable, and non-hazardous. Unused tablets may be discarded in normal laboratory trash. Since contamination could occur in the jar, used rehydrated tablet solution should be discarded in a manner appropriate for bacteriological contaminated specimens.

INTERPRETATION:

The liquid will start to turn orange as soon as the atmosphere in the jar reaches 2% carbon dioxide. As the atmosphere progresses, the tablet and liquid will turn completely yellow. If the yellow never appears or the red color reappears, the atmosphere has failed. An orange color indicates a small amount of carbon dioxide present. The indicator should be yellow at a carbon dioxide level of 5%-8%. Alkaline water will make this reaction slower.

LIMITATIONS:

K9055C indicators are intended as a semi-quantitative visual indicator to detect the presence or absence of carbon dioxide. If more accurate monitoring is required, other systems should be used.

REFERENCES:

1. Microbiological Investigation Section, Bacteriology-Mycology Branch, Microbiological Services Division, Texas Dept. of Health, Workshop Manual 1994, pg. 136.

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K9055C-0805

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