

K980195 -Ferrous Sulfate

DISCUSSION:

K980195 Ferrous sulfate reagent is pure ferrous sulfate in stable tablet form with no added ingredients. The reagent is used with K1537 PYZ tests for the determination of pathogenic Corynebacteria, Ferrous sulfate tablets are sold in packs of 5 dropper vials which are each individually to be reconstituted to 3 ml of usable reagent.

REAGENT PREPARATION:

To prepare the reagent, remove the dropper assembly and fill to the top with sterile water. Replace the assembly and shake to dissolve the tablet (or let stand about 30 minutes) before use. Prepared reagent should be good for approximately 30 days if kept refrigerated but should be rechecked for stability before each use.

STORAGE:

Store tightly covered at less than 0°C.

QUALITY CONTROL:

Ferrous sulfate (PYZ reagent) tablets should be tested before use with organisms of known reactivity using K1537 PYZ tablets or other approved PYZ test. We recommend *C. xerosis* ATCC 373 (positive) and *C. diphtheriae* ATCC 13812 (negative). Discard used tests in a manner conforming with accepted laboratory procedures for biohazardous materials.

LIMITATIONS:

This reagent is designed for use with K1537 PYZ tablets and may not perform with other PYZ tests that may have interfering substrates.

REFERENCES AND FOOTNOTES:

- (1) Manual of Clinical Microbiology, 5th Edition, Chapter 31, page 280-283
- (2) Colman, Weaver, and Efstratiou, Screening Tests for Pathogenic Corynebacteria, Journal of Clinical Pathology, 1992: 45:46-48