

TRAINING UPDATE

Lab Location: All sites
Department: Core Lab
Microbiology

Date Distributed: 5/18/23
Due Date: 6/30/23

Educational Slide Review

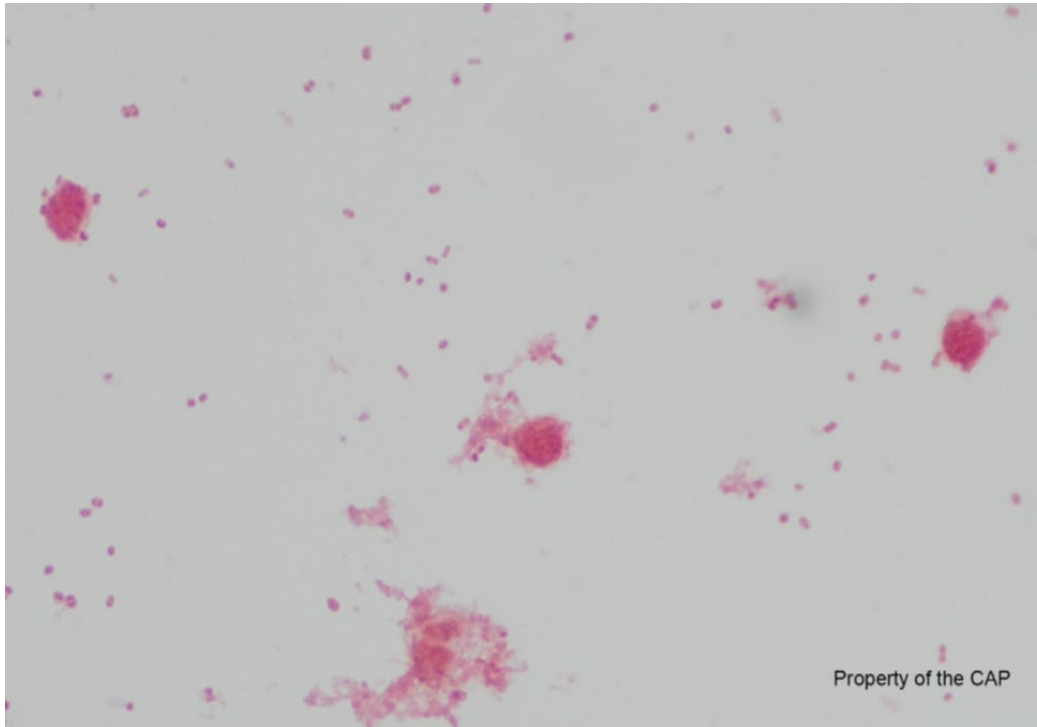
Educational Slide Review

This educational Gram Stain review is to address CAP Survey D5-A 2023, slide D5-02, which was missed by 3 out of 4 of our labs. This slide was not formally evaluated by CAP because peer consensus was not met. However, our lab must self-evaluate our results against the peer results and the expected result.

Most peer labs reported the incorrect result of gram negative diplococci. One of our labs reported this same result. Two of our labs reported Gram positive cocci.

D5-02

Discussion - This was a simulated sputum specimen from a 54-year-old ICU patient on a ventilator with infiltrates. This slide contained *Acinetobacter baumannii*, which was intended to stain as gram-negative bacilli and coccobacilli. However, consensus was not met for stain reaction and morphology. Polymorphonuclear leukocytes were present.



Although many appear in pairs, it can be misleading to refer to this morphology as gram-negative diplococci. Gram-negative diplococci are pairs of cocci with round ends and flat opposing sides, referred to as kidney-bean shaped. This morphology is characteristic of *Neisseria* species and *Moraxella catarrhalis*.

Document your compliance with this training update by taking the quiz in the MTS system.