



Smart Device
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Reading Plates and Interpreting Results

Slide with slide is held a few inches above a black nonreflecting background and illuminated with reflected light. If blood was added to the agar side (as with streptococci), the zones are measured with the upper surface of the agar illuminated with reflected light, with the cover removed.

All the time organism is a staphylococcus or Enterococcus spp., 24 hours of incubation are required for vancomycin and oxacillin, but other agents can be read at 14 to 18 hours.

Differential light (plate held up to light) is used to examine the oxacillin and vancomycin zones for light growth of methicillin- or vancomycin resistant colonies, respectively, within apparent zones of inhibition. Any discernable growth within zone of inhibition is indicative of methicillin or vancomycin resistance.





Smear of peripheral



7. Crystals



Oxalate



Triple Phosphate



Cystine



