

With nonhuman plasma you may get false positive results because of "species differences in coagulase activators and strain differences in coagulase production."¹ Tompsett² used human plasma in differentiating between *Staphylococci* with negative and positive clumping factor—because rabbit plasma gave coagulase positive reactions in **all** of them.

With human plasma over four hours old (as blood bank plasma is very likely to be) **you may get false negative results.** In a comparison study,³ lyophilized human plasma* detected 122 strains of proven pathogenic *Staphylococci* by positive coagulase reactions; pooled plasma over 4 hours old detected only 91. With plasmas of dubious age it is possible that, even within a 24-hour period, no clot will form. On the other hand, the coagulase-producing organism may also produce staphylokinase^{4,5} which, within a 24-hour period, may cause a formed clot to lyse.

Diagnostic Plasma/Warner-Chilcott gives results identical to those obtained with freshly drawn human plasma.^{6,7} It is standardized against strongly positive, weakly positive and negative coagulase-producing *Staphylococci*. From vial to vial, lot to lot, Diagnostic Plasma/Warner-Chilcott contains optimal concentrations of clotting factors. Results are usually visible within one hour,⁷ always within three hours.

Ask your General Diagnostics representative about Diagnostic Plasma/Warner-Chilcott—the ideal substrate for the coagulase test.

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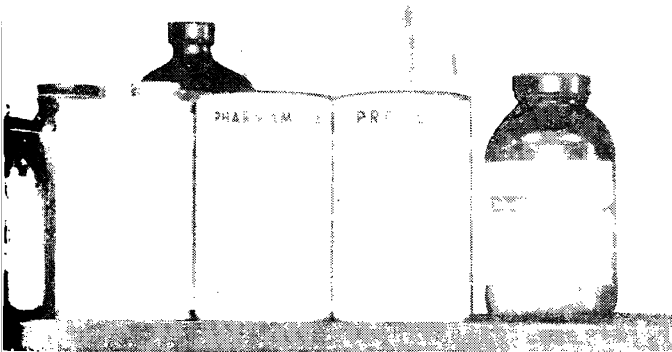
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10 vials, 0.5 ml. size (3 coagulase tests per vial)**

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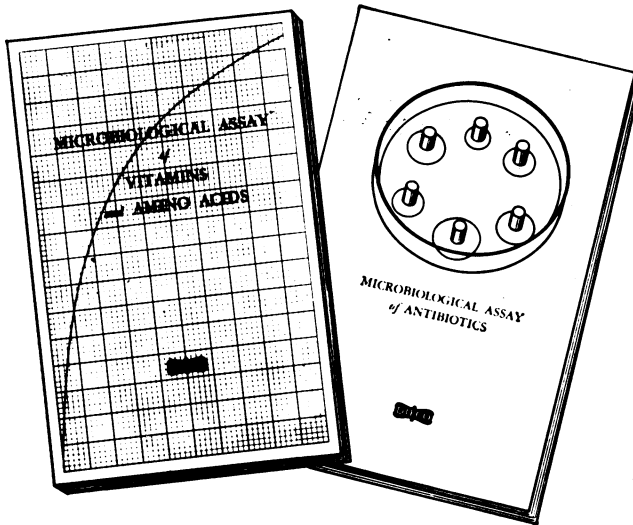
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