

Screw-cap tubes (16 × 125 mm) containing 5 ml of Trypticase Soy Broth (BBL) and 0.5% polyoxyethylene sorbitan monooleate (Tween 80) were inoculated with one loopful of a 24-hr staphylococcal culture from a Trypticase Soy Agar (BBL) slant. The inoculated broths were then incubated at 36 C for 5 hr on a Roller Tube Culture Apparatus (Aloe Scientific Co., catalogue no. 59818) modified to rotate at 20 rev/min. After the 5-hr incubation period, the cultures were centrifuged at 1,000 × *g* for 10 min in an International centrifuge, size 2, model R. The supernatant broth was poured off, and 10 ml of normal saline with 0.5% Tween 80 were added to the bacterial pack. This was mixed and poured into a heavy-walled 100-ml centrifuge tube, closed with a no. 6 rubber stopper, and shaken 15 min in a Red Devil Paint Conditioner (Red Devil Tools, Irvington, N.J., catalogue no. 30). The tube was kept stoppered for 20 min to permit the aerosol to settle; then the staphylococcal suspension was poured into a Coleman tube, and the optical density read at 650 mμ by use of a Coleman Universal spectrophotometer. The staphylococcal suspensions were tenfold serially diluted, and pour plates were made to determine viable-cell counts.