

〈速報〉

## クロルヘキシジンの殺菌効力に及ぼす共存物質の影響

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### Effect of Some Pharmaceutical Adjuvants on Bactericidal Activity of Chlorhexidine

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The interaction of chlorhexidine hydrochloride (CH-HCl) with various pharmaceutical adjuvants (SAA) and polymers was examined by an equilibrium dialysis method employing a cellophane membrane. The results obtained in the present work indicate an extremely high degree of association with SAA accompanying remarkable inactivation of bactericidal activity against *E. coli*. It was considered that the bound fraction of CH-HCl was responsible for its decreased bactericidal activity. A graphical method was established for estimation of the effective concentration of CH-HCl which would demonstrate the bactericidal activity in the pharmaceutical preparations which contain a known concentration of SAA and polymers.