

potency, even after standing for more than a year. It is interesting that, although most canned milk is not "vacuum packed", most of the air is removed from it before sealing by the process of warming and condensing, and the removal of most of the oxygen by this means may be responsible for the stability of vitamin D in canned milk.

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Toxicity of Chlorazol-fast-Pink in Dog Fish.

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Chlorazol-fast-pink, one of the azodyes,^{1, 2, 3} has been found an effective anticoagulant *in vivo*. In the effort to avoid clotting in arterial cannulae in some pharmacological studies of the circulation of the dog fish, the author has attempted to use this substance. Huggett and Rowe give its M.L.D. for rabbits as 300 mg. per kilo and Feldberg has found that in dogs 80-100 mg. per kilo in 8% solution given intravenously did not exert any deleterious action on heart or vessels. However, the author in some 20 experiments found that the intravenous injection of as little as 20-30 mg. per kilo of this dye in 3% solution regularly depressed the heart and the blood pressure markedly and that about 100 mg. per kilo was a lethal dose.*

This report is made in the belief that it may be of value to any one contemplating the use of this dye in fishes.

¹ Parkes and Brambell, *J. Physiol.*, 1932, **74**, 65.

² Huggett and Rowe, *ibid.*, 1933, **80**, 95.

³ Feldberg and Guimaris, *ibid.*, 1936, **86**, 306.

* The preparation used was the same (out of the same vial) which in the Department of Pharmacology at Tulane had been entirely satisfactory when given intravenously to cats and dogs in dosage of from 80 to 100 mg. per kilo.