

Chromobacterium Prodigiosum: it grows rapidly at room temperature, producing a brilliant red pigment

The day the milk turned red

The Dairyman was understandably perturbed. A consignment of milk had turned red before bottling. Immediate laboratory investigation was set in motion; a chromogenic organism was isolated and identified as Chromobacterium Prodigiosum on Oxoid Culture Media.

We recommend for the cultivation of this organism Mannitol Peptone Agar (pH6.8) and find that chromogenesis is enhanced by incubation at room temperature in diffuse daylight.

FOR PROGRESSIVE LABORATORIES

The use of Oxoid Culture Media ensures constant quality and uniformity in your laboratory technique. Absolutely reliable, quick, convenient and economical, Oxoid Culture Media are available in tablet or granular form. Full details from:

OXOID DIVISION OF OXO LTD., Thames House, Queen Street Place, London, E.C.4 (Central 9781)

Hygiene, 57, 2



The Journal of General Microbiology

Editors: B. C. J. G. KNIGHT and A. F. B. STANDFAST

Vol. 21, No. 1

August 1959

WILSON, G. S. Faults and fallacies in microbiology. The Fourth Marjory Stephenson Memorial Lecture. WATANABE, T. and WATANABE, M. Transduction of streptomycin resistance in Salmonella typhimurium. WATANABE, T. and WATANABE, M. Transduction of streptomycin sensitivity into resistant mutants of

streptomycin sensitivity into resistant mutants of Salmonella typhimurium.

Contous, D. E. Kinetics of bacterial growth: relationship between population density and specific growth rate of continuous cultures.

IVANOVICS, G., ALFOLDI, L. and NAGY, E. Mode of action of megacin.

SMITH, H. G. On the nature of the selective action of

action of megacin.

SMITH, H. G. On the nature of the selective action of selenite broth.

DEMAIN, A. L. and HENDLIN, D. 'Iron transport' compounds as growth stimulators for Microbacterium sp. BAND, R. N. Nutritional and related biological studies on the free-living soil amoeba, Hartmannellarhysodes.

KUSHNER, D. J. and LISSON, T. A. Alkali resistance in a strain of Bacillus cereus pathogenic for the larch sawfly, Pristiphora erichsonii.

WILLIAMS, M. A. Chromatin patterns in Spirillum anulus.

anulus.

SHEININ, R. The localization of the cell-bound peni-cillinase of *Bacillus cereus* in protoplasts. HERTMAN, I. and BEN-GURION, R. A study on pesticin biosynthesis.

BROOKS, M. E. and EPPS, H. B. G. Taxonomic studies of the genus Clostridium: C. bifermentans and C. sordellii.

BALBINDER, E. and PREER, J. R., Jun. Gel diffusion studies on serotype and serotype transformation in Paramecium.

Kerringe, D. Synthesis of flagella by amino acid requiring mutants of Salmonella typhimurlum.

CONNOR, R. L. Inhibition of growth of Tetrahymena

piriformis by certain steroids.

ZAVARZIN, G. and LEGUNKOVA, R. The morphology of Nitrobacter winogradskyi.

Jenkin, C. R. and Rowley, D. Toxic proteins from Vibrio cholerae and water vibrios which are lethal for

mice.

PAINE, T. F., Jun. and DANIEL, R. R. Attempts to obtain Gram-negative rods from staphylococci

obtain Gram-negative rods from staphylococci treated with penicillin.

BRIGGS, S., CRAWFORD, K., ABRAHAM, E. P. and GLADSTONE, G. P. Further observations on the relationships between Gram-negative rods and staphylococci grown in the presence of penicillin.

HILSON, G. R. F. and ELEK, S. D. An investigation into the development of Gram-negative rods in penicilling the development of Gram-negative rods in penicilling.

treated cultures of Staphylococcus aureus

RHODES, M. E. The characterization of Pseudomonas

fluorescens.

SANDERS, M. and NATHAN, H. A. Protozoa as pharmacological tools: the antihistamines.

DUGUID, J. P. Fimbriae and adhesive properties in Klebsiella strains.

The subscription rate is 90s. net per volume of 3 parts. Single parts 35s. each, plus postage. Two volumes will be issued each year. Orders should be sent to

CAMBRIDGE UNIVERSITY PRESS BENTLEY HOUSE, 200 EUSTON ROAD, LONDON, N.W. I

The Quarterly Journal of Medicine

Edited by D. H. BRINTON, W. D. W. BROOKS, A. M. COOKE, D. M. DUNLOP, H. L. MARRIOTT, ROBERT PLATT, M. L. ROSENHEIM

CONTENTS

NEW SERIES. Vol. XXVIII. No. 110. APRIL 1959

The Effects of Vitamin D and Gluten-Free Diet in Idiopathic Steatorrhoea. By J. R. NASSIM, P. D. SAVILLE, P. B. COOK and LILY MULLIGAN.

Whipple's Disease. By P. FARNAN. With Plates 16 to 18.

Acute Intermittent Porphyria. By A. GOLDBERG.

Statistical Methods Applied to the Clinical Diagnosis of Thyrotoxicosis. By J. Crooks, I. P. C. MURRAY and E. J. WAYNE.

Compulsive Water Drinking. By E. D. BARLOW and H. E. DE WARDENER.

The Excretion of Acid in Renal Disease. By O. Wrong and H. E. F. Davies. With Plates 19 and 20.

Single Numbers 20s. net each

Subscription 60s. per annum

OXFORD UNIVERSITY PRESS, LONDON E.C. 4

CONTENTS

(All rights reserved) PAGE BENTLEY, E. W. and LARTHE, YVONNE. The comparative rodenticidal efficiency of 135 HOLT, LEWIS B. A re-assessment of the risk of provoking paralytic poliomyelitis by making prophylactic inoculations against diphtheria and pertussis . 150 THOMAS, C. G. A. and PENIKETT, E. J. K. Grading of coagulase-positive staphylococci in the control of hospital cross-infection 162 DIXON, J. M. S. Observations on the growth in nutrient broth of mixtures of Escherichia coli strains, and of faecal specimens harbouring pathogenic Escherichia coli serotypes 174 Jebb, W. H. A. comparison of media for the detection of coliform organisms in water 184 MATHEWSON, SUE FLICK, DAVIS, DAVID E. and CHRISTIAN, JOHN J. Effect of constant length of day on reproduction in albino mice. (With 3 Figures in the Text) 193 STEVENS, K. M. Estimate of molecular equivalents of antibody required for prophylaxis and therapy of poliomyelitis . . . SHEWELL, JENNIFER and LONG, D. A. The influence of the thyroid gland on antitoxin production in different species 202 SPICER, C. C. The survival of Shigella sonnei on cotton threads. (With 3 Figures in the Text) 210 Long, D. A. Immune and allergic reactions to diphtheria toxin and toxoid in guinea-pigs. (With 9 Figures in the Text) 216 Long, D. A. The fate of 131I-labelled diphtheria toxin and toxoid in the skin of immune and allergic guinea-pigs. (With 8 Figures in the Text) 227 Crowley, Nuala. The association of starch-accumulating strains of a Group A streptococci with acute nephritis and acute rheumatic fever. (With 3 Figures in 235 The Journal of Hygiene is issued in four parts to a volume. Quotations can be given for back volumes on application. Papers for publication should be sent to Lt.-Col. H. J. Benstep, c/o Lister

Institute of Preventive Medicine, Chelsea Bridge Road, London, S.W. 1. Other communications should be addressed to the University Press, Cambridge.

Papers forwarded to the Editor for publication are understood to be offered to The Journal of Hygiene alone, unless the contrary is stated.

Contributors receive fifty copies of their paper free. Additional copies may be had at cost price: these should be ordered when the final proof is returned.

The subscription price is £4. 10s. per volume (post-free), payable in advance; single numbers 30s. net. Subscriptions may be sent to any Bookseller, or to The Cambridge University Press, Bentley House, 200 Euston Road, London, N.W. 1.

The subscription price in the U.S.A., is \$15.00. Single parts \$5.00. Enquiries should be addressed to the American Branch of the Press at 32 East 57th Street, New York, 22.