Sensitivity Testing
of
TUBERCLE BACILLI

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Sensitivities to the commonly employed therapeutic agents are accurately and readily determined using Bacto-Sensitivity Disks containing three concentrations of Dihydrostreptomycin, Streptomycin, Viomycin, PAS (p-Amino Salicylic Acid) and INH (Isonicotinic Acid Hydrazide). Concentrated specimen or pure cultures are evenly streaked on Bacto-Peizer TB Medium and Sensitivity Disks applied. Zones of inhibition of growth following incubation indicate if an organism is sensitive, moderately sensitive or resistant to the various chemotherapeutic agents.

Peizer TB Medium recommended for sensitivity test procedures is easily and readily prepared from Bacto-Peizer TB Medium Base and Bacto-Peizer TB Medium Enrichment (Peizer and Schecter: Am. J. Clin. Path., 20:682:1950). This is a selective medium suitable for primary culture and simultaneous sensitivity determinations of tubercle bacilli from concentrated specimen.

BACTO-SENSITIVITY TEST MEDIA

Bacto-ATS Medium and Bacto-Lowenstein Medium are available in screw capped tubes with added chemotherapeutic agents. The ATS Medium is prepared according to the formula specified by the American Trudeau Society; the Lowenstein Medium according to the Jensen modification. These media are processed under carefully controlled conditions to give rapid optimal growth of the tubercle bacilli.

Bacto-ATS Sensitivity Media and Bacto-Lowenstein Sensitivity Media are supplied in sets of 12 tubes consisting of 2 tubes of control medium without therapeutic agent and one tube each of the following:

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|streptomycin 100 mcg./ml | streptomycin 10 mcg. and PAS 100 mcg./ml |
|viomycin 10 mcg./ml. | streptomycin 100 mcg. and PAS 100 mcg./ml |
|viomycin 100 mcg./ml | streptomycin 10 mcg. and INH 1 mcg./ml |
|INH 1 mcg./ml. | streptomycin 100 mcg. and INH 5 mcg./ml |

The above media are also supplied in packages of 12 tubes of any one medium. In addition, for more detailed determinations, ATS Sensitivity Media and Lowenstein Sensitivity Media containing Streptomycin 250 mcg., Viomycin 250 mcg., and INH 0.2 mcg. are available in packages of 12 tubes.

These media are supplied in incubator packages which permit preferred horizontal incubation.

Bulletin No. 141 describing Sensitivity Testing of Tubercle Bacilli is available upon request.

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References to literature, both text and bibliography, should conform with this Journal's usage. Contributors are advised to examine issues of the Journal so that their manuscripts will conform to the Journal's style as to table and figure references, citations of the literature in the text, preferred spellings, abbreviations, and so forth.

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A-B Hemolytic Disease of the Newborn: Analysis of 1480 Cord Blood Specimens, with Special Reference to the Direct Antiglobulin Test and to the Role of the Group O Mother, by Richard E. Rosenfield.


The Survival Time of Canine Erythrocytes Modified by Influenza Virus, by W. B. Stewart, C. E. Petersin and H. M. Rose.
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**REFERENCES**

1. Coles, B. L. and James, U., Archives of Disease in Childhood, 29:85 (1954)
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British Journal of Pharmacology and Chemotherapy

CONTENTS, June, 1951: A medium for perfusion of innervated blood vessels; Inhibition of the peristaltic reflex by sympathomimetic amines; Some selective inhibitors of true cholinesterase; Part played by inhibition of cholinesterases of the CNS in producing paralysis in chickens; Acetylcholine production in animals poisoned by diethyl-p-nitrophenyl phosphate (paraxon); Inhibition of cholinesterases by 3-(diethoxyphosphonyloxy)-N-methylquinolinium methylsulphate and its tertiary base; Further studies on compounds reducing synovial membrane permeability; Depression of autonomic ganglia by barbiturates; Effect of a specific antiserum on the activities of lactic dehydrogenase of mammalian muscle and of Schistosoma mansoni; The quantitative assay of angiotonin; 1:6-di-4′-chlorophenylguanidohexane ("Hibitane"); laboratory investigation of a new antibacterial agent of high potency; Comparison of histamine release by compound 48/80 and octylamine in perfused tissues; The hypersensitivity of the denervated nicotinating membrane to various substances; Observations on the character of mercurial diuresis: A comparison of the peripheral parasympatholytic and autonomic ganglion blocking activities of methantheline ("Banthine") and propantheline ("Pro-banthine") with atropine and hexamethonium; Blood anticoagulant effect of short chain-length dextran sulphates; Methods for studying the reflex activity of the frog's spinal cord; Use of the rat's isolated seminal vesicle for the assay of sympatholytic drugs; Drugs which antagonize 5-hydroxytryptamine; The concentration of adrenaline in the peripheral blood during insulin hypoglycaemia.

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