Emmel & Cowdry:
LABORATORY TECHNIQUES IN BIOLOGY AND MEDICINE,
4th edition

The application of the methods of chemistry and physics to problems in biology and medicine has resulted in a whole new generation of powerful biomedical techniques. The electron microscope, radioactive isotope tracing, and chemical microanalysis are just a few of the most outstanding examples.

These new developments are included in this fourth edition of what is essentially an encyclopedia of technique. Several hundred biomedical procedures are presented in alphabetical sequence and in working detail, and there are leads to many others. For ease in using the book, 1) laboratory techniques suitable to the study of a specific structure are found under the name of the structure; and 2) details of a specific technique are located under the name of the technique.

1964 487 pp. $15.50
Diagnostic Reagents
for the Determination of

ANTISTREPTOLYSIN TITERS

_Bacto-Streptolysin O Reagent_ is a standardized reagent recommended as an aid in the diagnosis of Rheumatic Fever, Glomerulonephritis and other diseases associated with Group A streptococcal infections.

SENSITIVITY TESTS

The significance of determining bacterial sensitivity is accentuated by the discovery of increasing numbers of antibiotics, sulfonamides, and other chemotherapeutic agents and the development of resistant organisms to one or more of these compounds. Sensitivity or resistance is easily determined with Bacto-Sensitivity Disks.

HETEROPHILE ANTIBODIES

The differential diagnosis of Infectious Mononucleosis requires the use of standardized heterophile reagents:

- Bacto-Guinea Pig Kidney Antigen, Desiccated and Suspension
- Bacto-Beef Cell Antigen, Desiccated and Suspension

BLOOD COAGULATION

Prothrombin determinations require accurately prepared interstandardized reagents:

<table>
<thead>
<tr>
<th>Bacto-Thromboplastin</th>
<th>Bacto-AC Globulin</th>
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<tbody>
<tr>
<td>Bacto-Prothrombin 2 Stage Reagent</td>
<td>Bacto-Sodium Chloride 0.85 Per Cent</td>
</tr>
<tr>
<td>Bacto-Prothrombin Free Beef Plasma</td>
<td>Bacto-Sodium Oxalate Solution 0.1 Molar</td>
</tr>
<tr>
<td>Bacto-Prothrombin Free Rabbit Plasma</td>
<td>Bacto-Calcium Chloride Solution 0.02 Molar</td>
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LIVER DISEASE

Differential diagnosis of hepatic disturbances is aided by standardized reagents:

- Bacto-Cephalin Cholesterol Antigen
- Bacto-Thymol Turbidity Reagent
- Bacto-Kingsbury Turbidity Standards
- Bacto-Thromboplastin and other Prothrombin Reagents

RENAI FUNCTION

_Phenolsulfonphthalein Ampules, Difco_ is a carefully prepared injectable recommended for use in determining renal excretion rate.

HEMAGGLUTINATION
OF RED BLOOD CELLS

Accurately determined by the use of:

| Bacto-Trypsin 1% for Hemagglutination | Trypsin, Difco, 1:250 |
| Bacto-Hemagglutination Buffer | Bacto-Bovine Albumin 30% |
| Bacto-Phytohemagglutinin | |

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