

Important Biochemicals from N·B·C

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Unispray Aerosol Reagent

Observations... Biological compounds containing N-H bonds appear on paper chromatograms as blue black spots against white or very light backgrounds. Compounds are identifiable in micrograms or less.

Compounds observed include... amino acids, amino acid esters, peptides, proteins, purines, pyrimidines, nucleotides, amines, amine sugars, vitamins and vitamin analogs, steroid conjugates, nucleic acids, guanine compounds and antibiotics.

Conclusions... Peptides, Nucleotides and other

N-H Compounds are readily identifiable with N·B·C's Unispray (1% solution tert butyl hypochlorite in cyclohexane) as follows:

- (1) Spray paper chromatogram with Unispray
- (2) Dry About 60 minutes at room temperature in air stream.
- (3) Spray with aqueous solution 1% KI and 1% soluble starch

NBCo UNISPRAY KIT

Consists of Aerosol spray unit; 3 grams tert-butyl hypochlorite: KI and soluble starch mixture sufficient for 1000 cc solution. Latter two reagents attachable to Aerosol spray unit. PRICES:

1 kit	each	\$4.85
3 to 6 kits	each	4.40
6 kits	each	3.00
12 or more kits	each	2.50

TERT-BUTYL HYPOCHLORITE

1000 gram bottle	gram	.39
100 gram bottle	gram	.50
25 gram bottle	gram	.55
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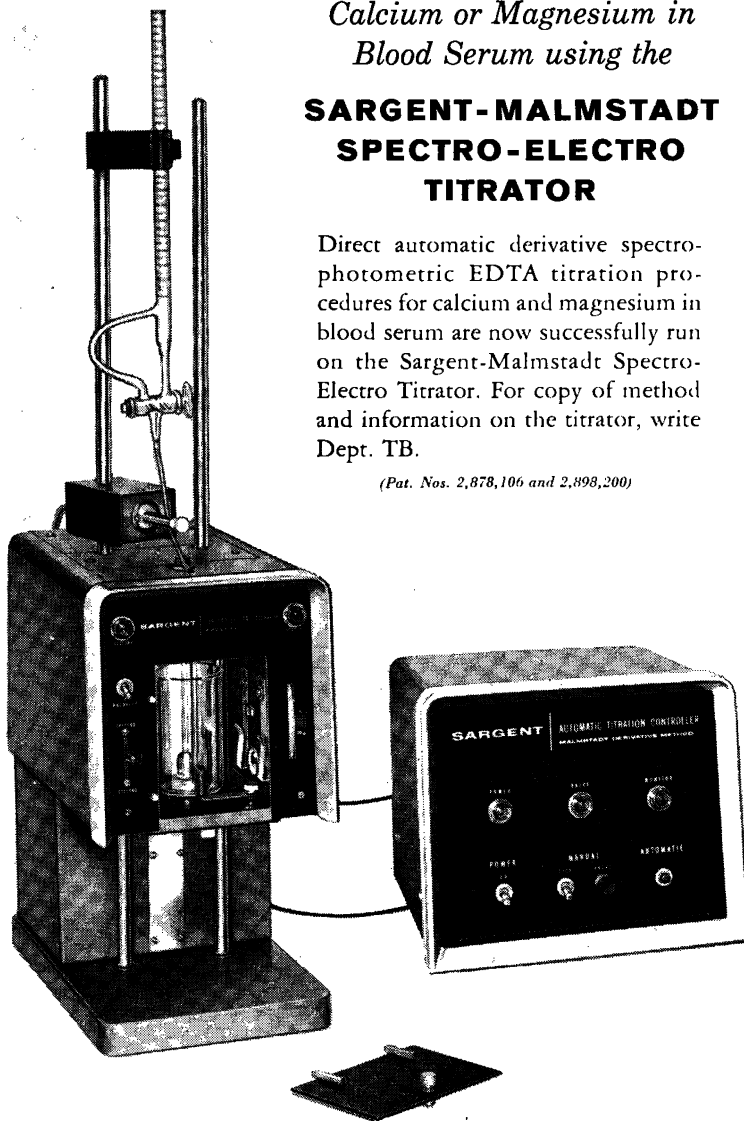
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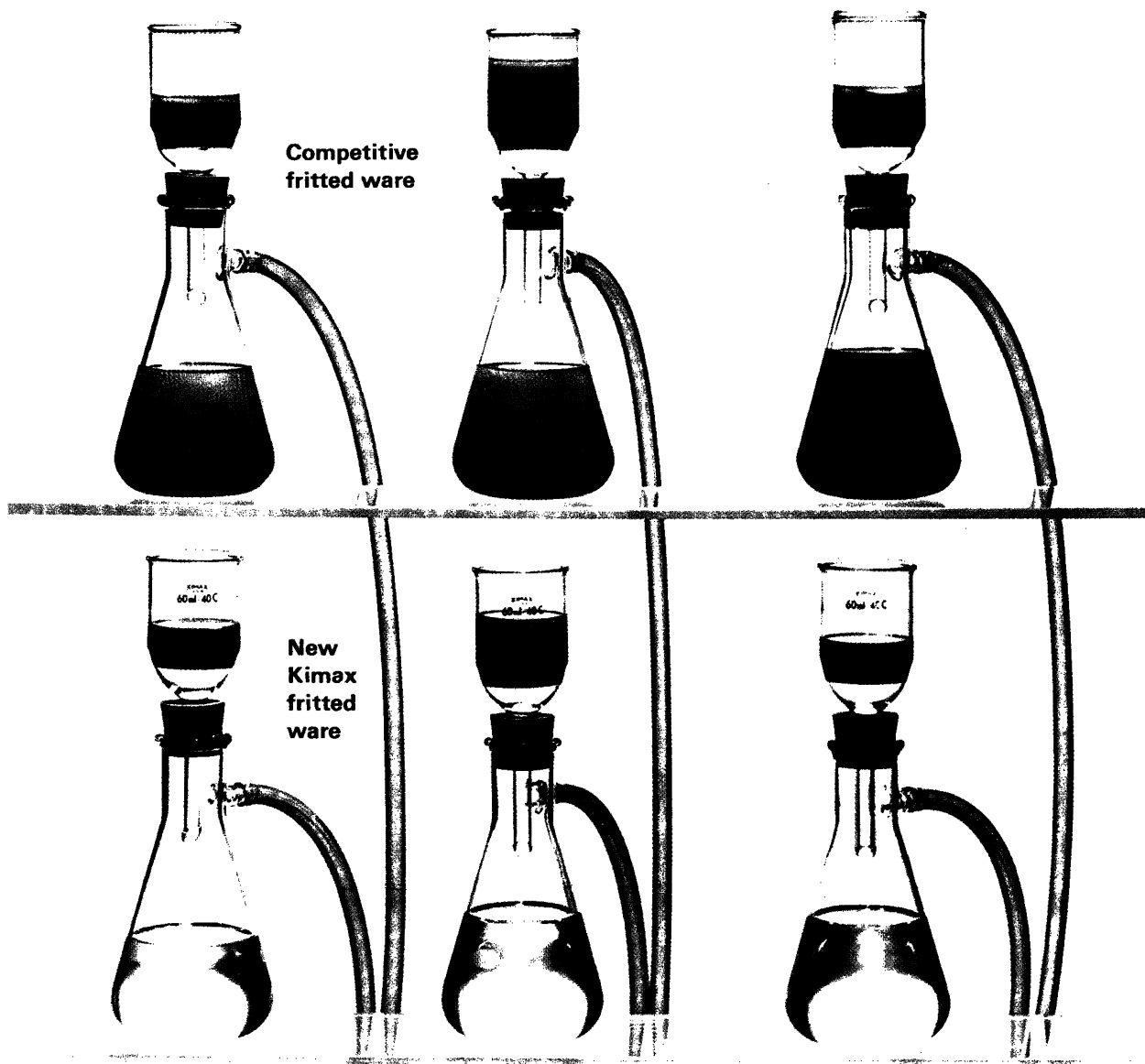
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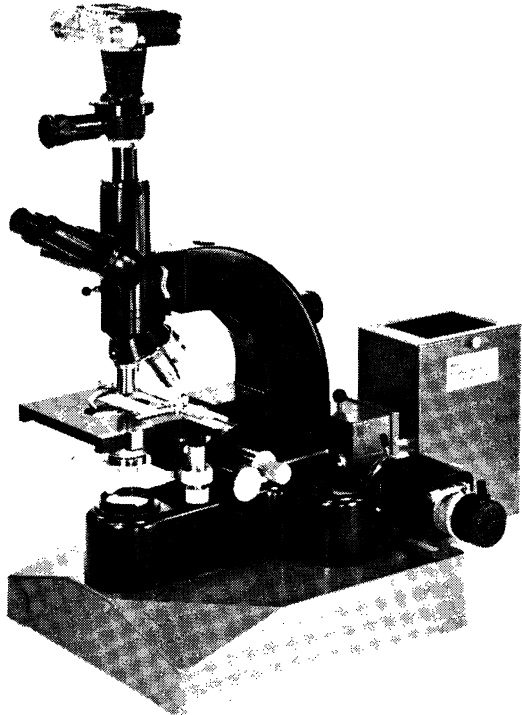
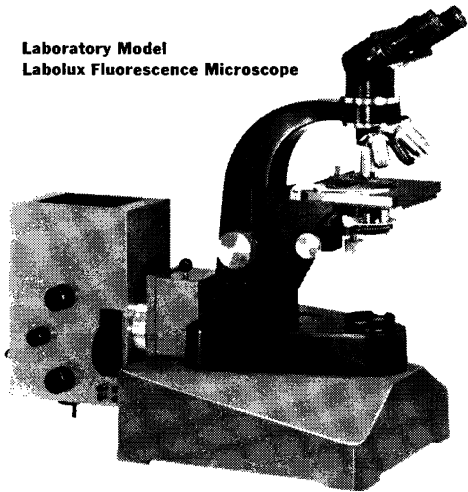
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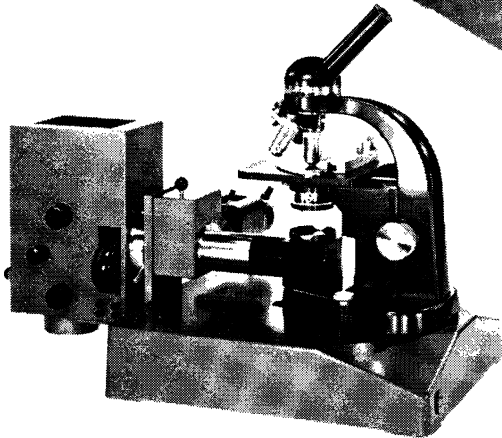


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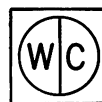
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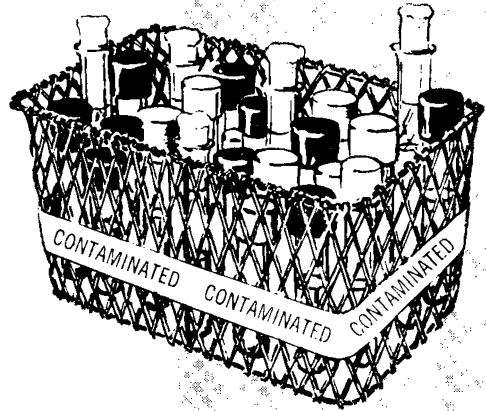
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Begin and end with T S I
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a

In all biological functions, preparation of glassware should start with a TSI Conversion Label that shows the word "CONTAMINATED" to identify its condition.

b

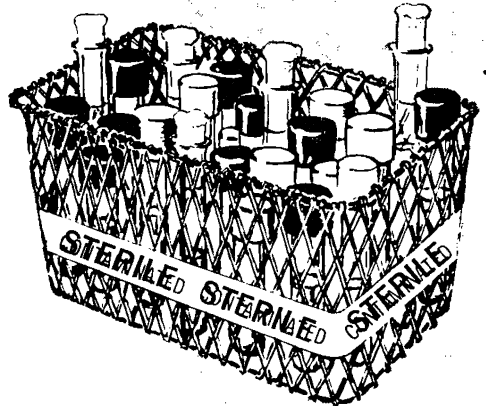
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c

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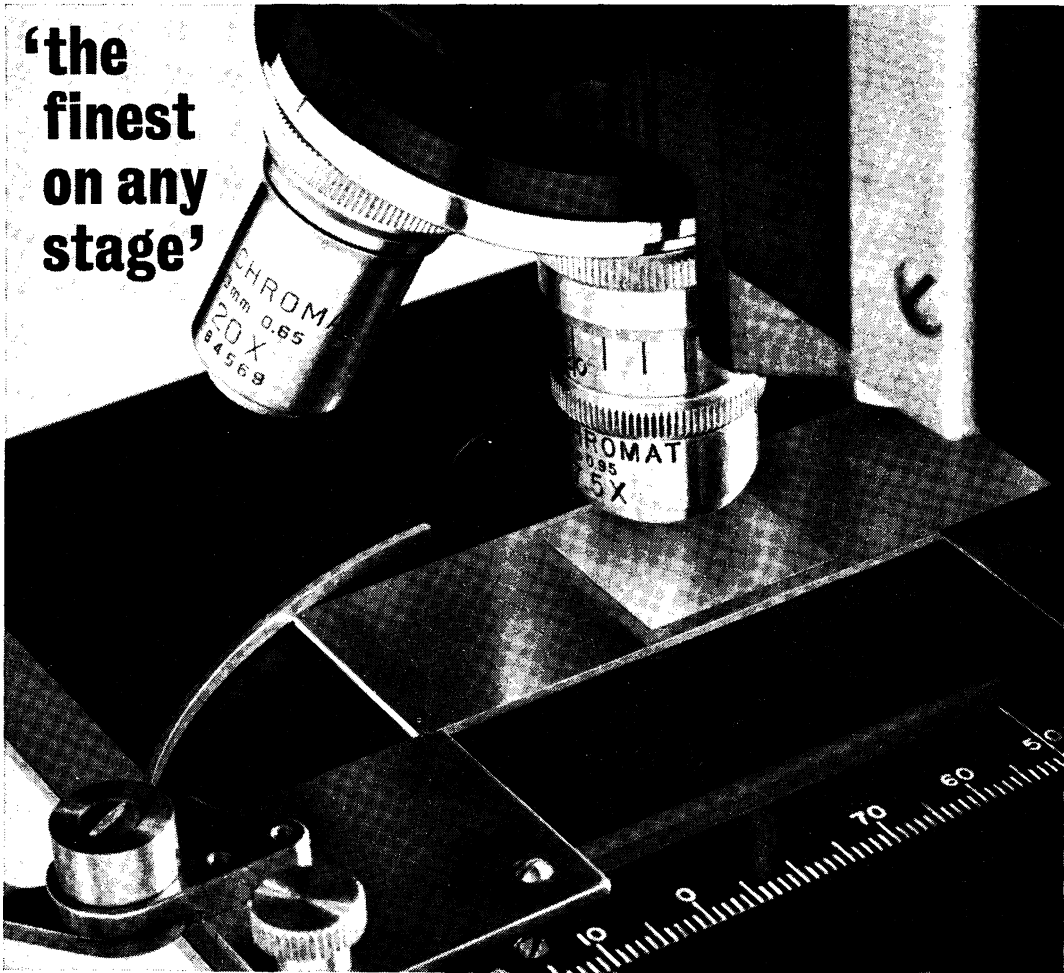
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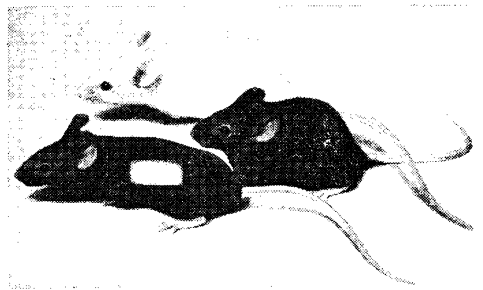
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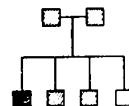
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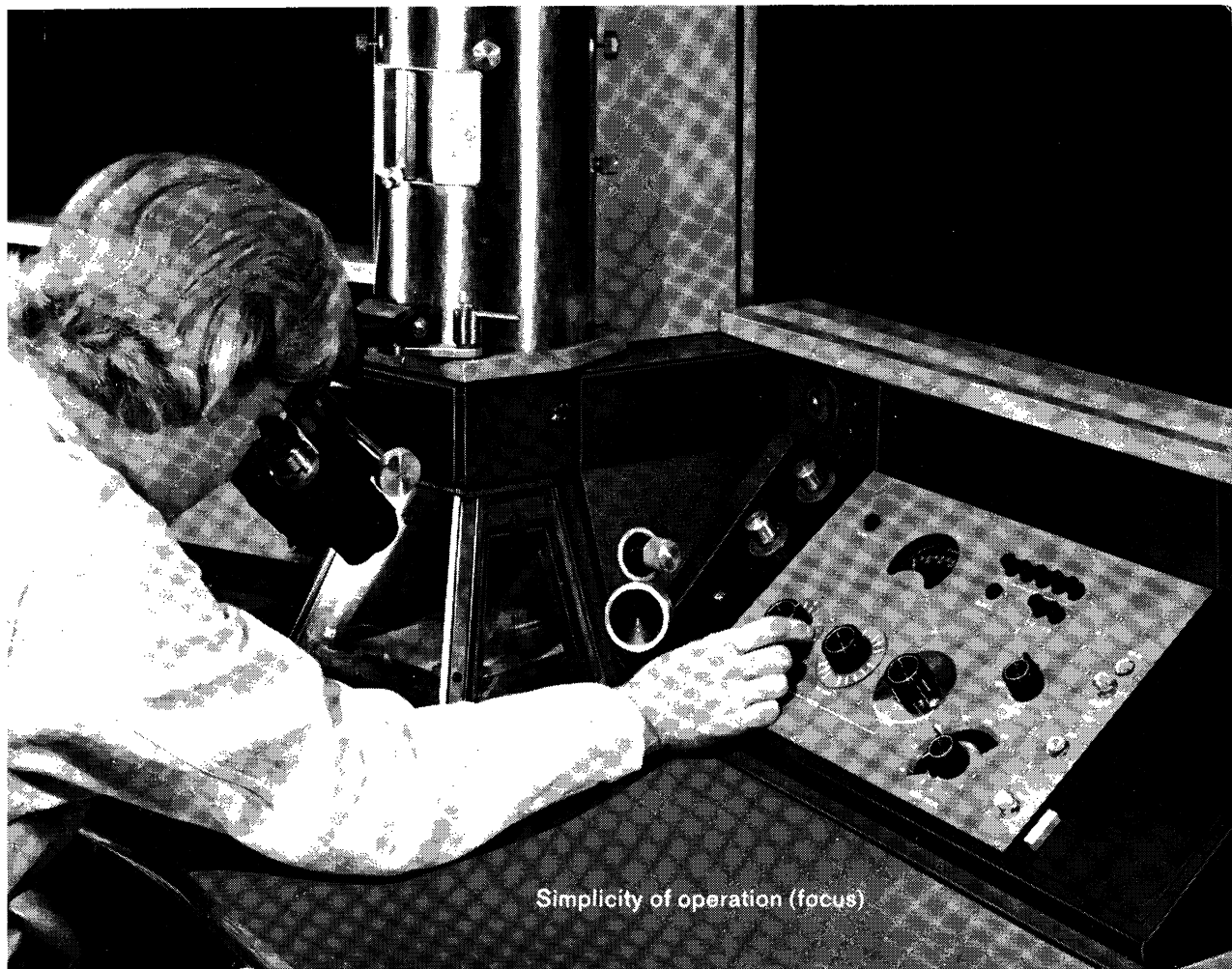
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C57BL/6	B6AF ₁ (C57BL/6 ♀ x A/11c ♂)



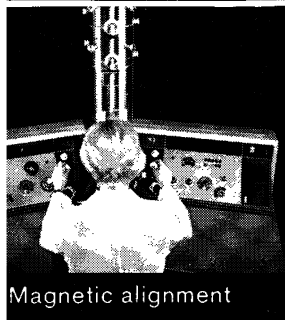
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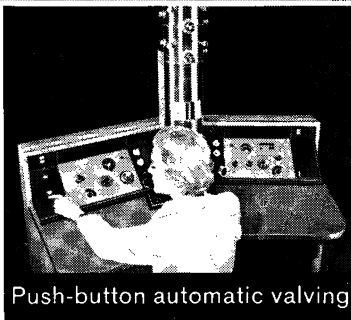
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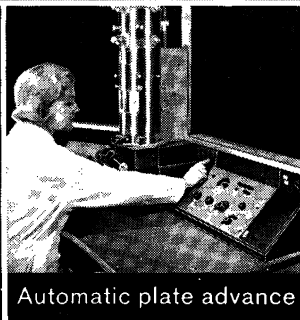
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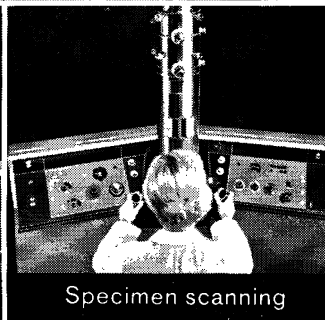
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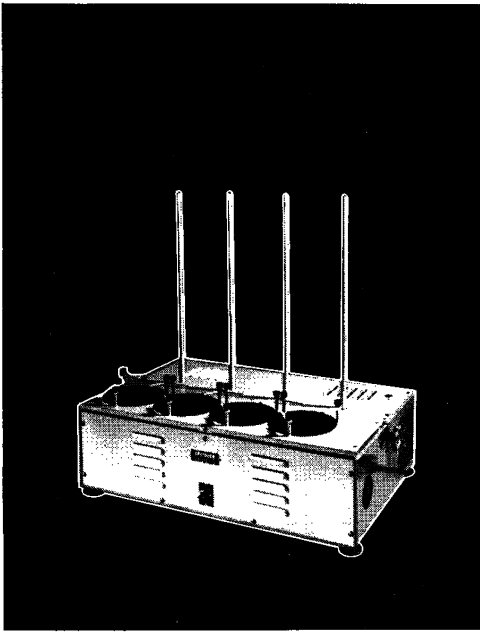
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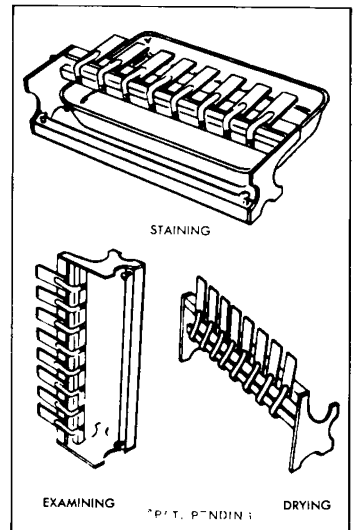
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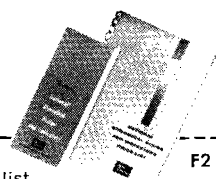
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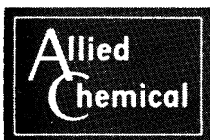
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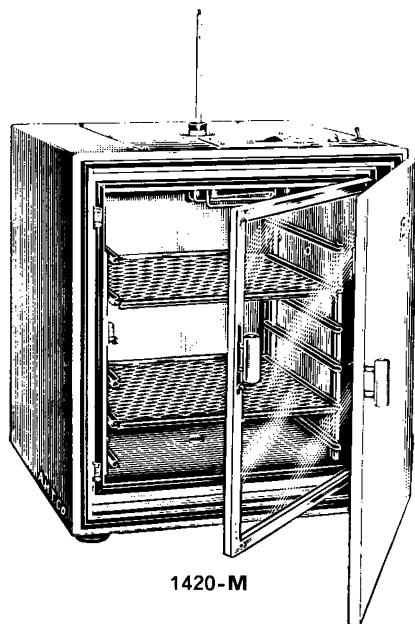
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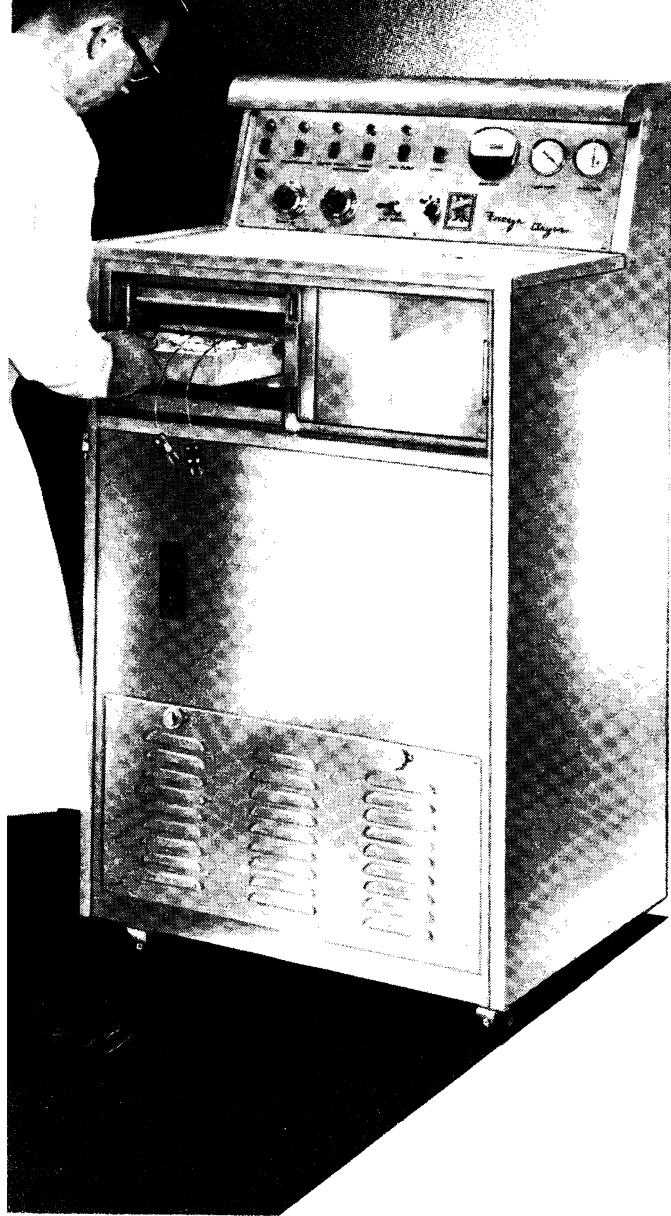
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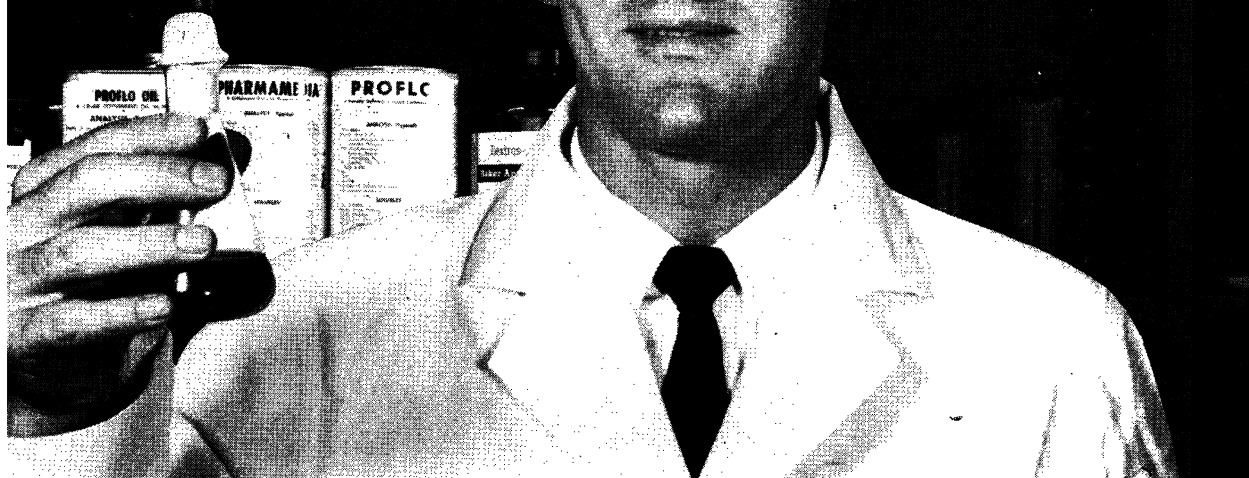
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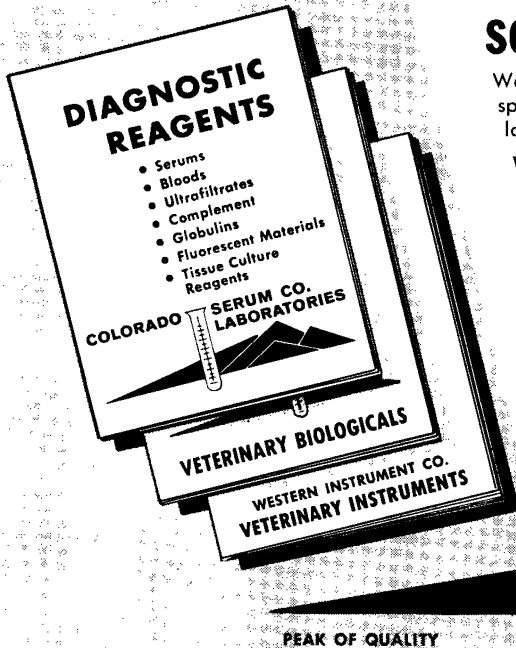
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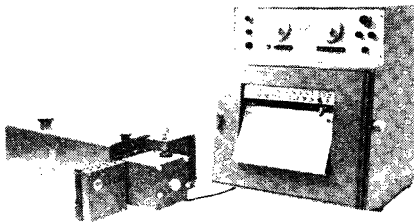
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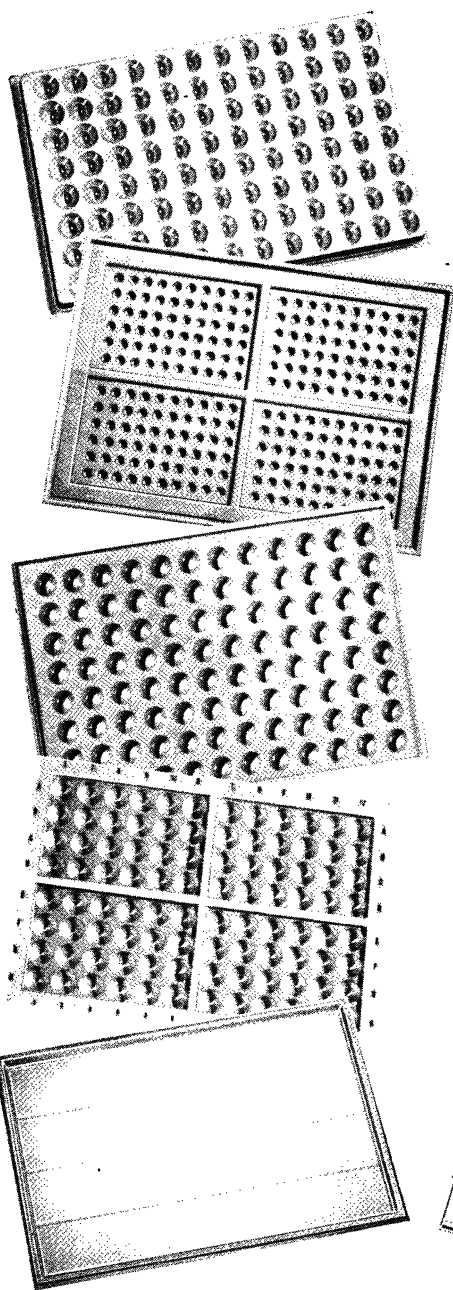
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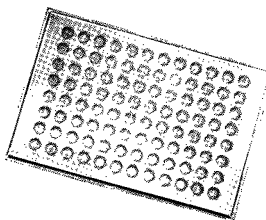
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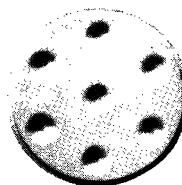
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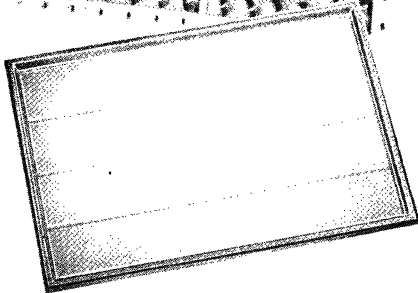
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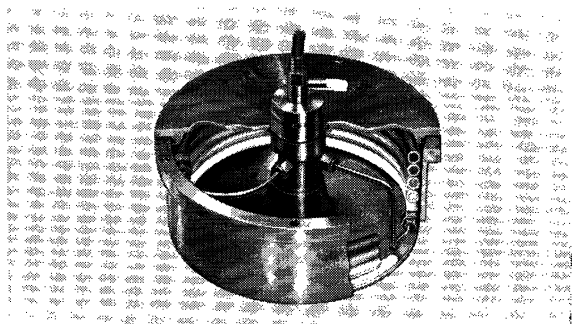
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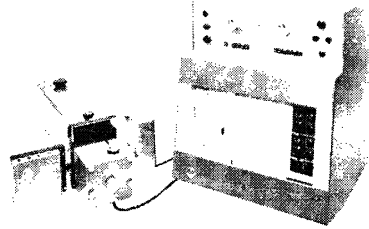
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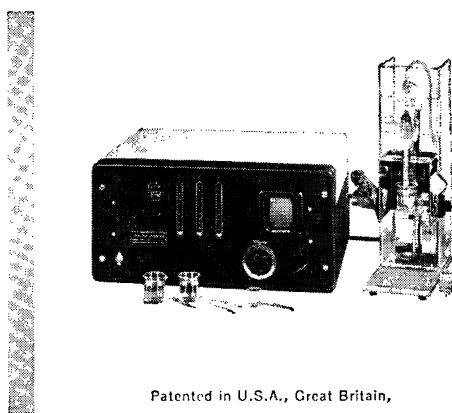


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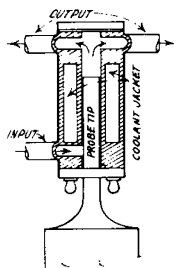
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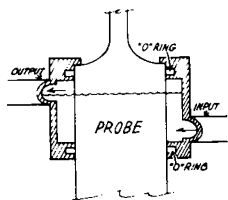
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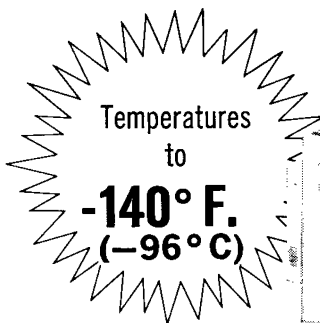
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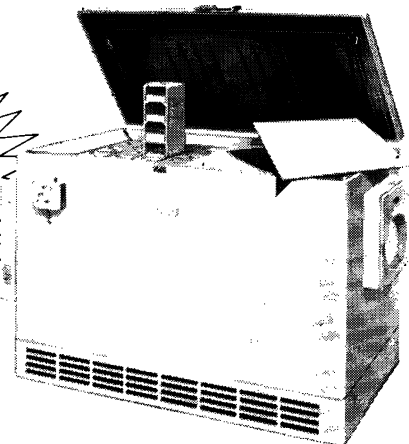
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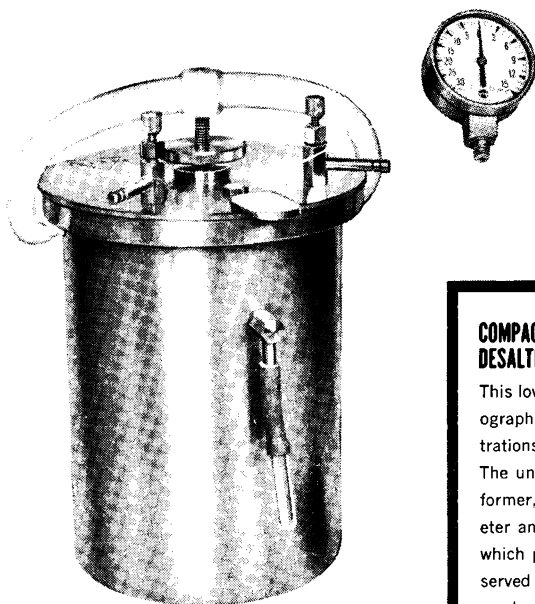
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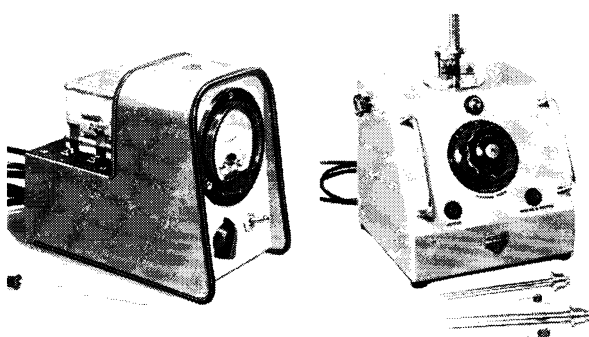
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SEMI MICRO ZONE MELTING APPARATUS HANDLES FROM 0.15 TO 10 GRAMS

Designed from the original National Chemical Laboratory (England) model, this Torbal B.T.L. instrument is used to refine small amounts of organic compounds to a very high degree of purity or for the concentration of small amounts of impurities in samples for analysis. The molten zone is always visible, and its length can be adjusted by means of a potentiometer. For details write for Bulletin 2M.



The **Torsion Balance** *Company*

Main Office and Factory: Clifton, New Jersey
Sales Offices: Chicago, Ill., San Mateo, Cal.

TORBAL®



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:

Bacto-Thromboplastin Bacto-AC Globulin
Bacto-Prothrombin 2 Stage Reagent Bacto-Sodium Chloride 0.85 Per Cent
Bacto-Prothrombin Free Beef Plasma Bacto-Sodium Oxalate Solution 0.1 Molar
Bacto-Prothrombin Free Rabbit Plasma Bacto-Calcium Chloride Solution 0.02 Molar

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

RENAL 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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