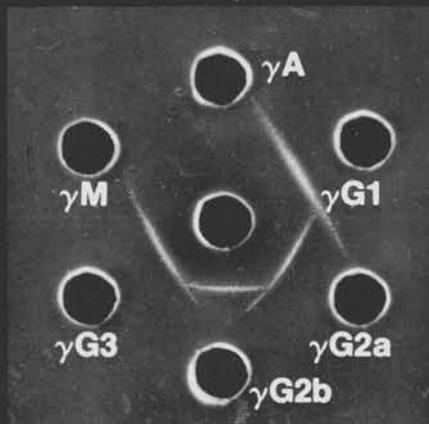


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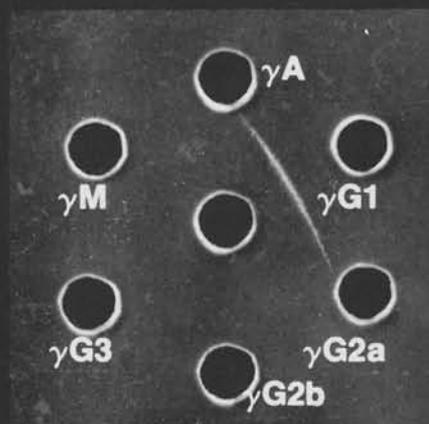
Antisera to Mouse Immunoglobulins

Example of Specificity

Anti- γ G1 reacts with all 7S immunoglobulins before solid phase immunoabsorption but reacts only with γ G1 after. Lack of reactivity to γ A and γ M is due to the purity of the immunogen.



Before solid phase immunoabsorption; center well contains unadsorbed rabbit antiserum to mouse γ G1.



After solid phase immunoabsorption; center well contains solid phase immunoabsorbed rabbit antiserum to mouse γ G1.

Similar monospecific characteristics are seen with antiserum to the other γ G subclasses and to γ A and γ M.

Heavy chain specific antisera (rabbit anti-mouse) are available for the following mouse immunoglobulins:

- γ A (IgA)
- γ G1 (IgF)
- γ G2a (IgG)
- γ G2b (IgH)
- γ G3 (Igl)
- γ M (IgM)

Immunization was conducted with highly purified antigens as evaluated by polyacrylamide gel disc electrophoresis for biophysical homogeneity and immunoprecipitin analysis for antigenic purity

The antisera are rendered monospecific by solid phase immunoabsorption to yield products free of soluble immune complexes and unwanted immunoabsorbents.

For additional information please direct inquiries to:
Mr. Richard D. Eisenberg
Marketing Manager

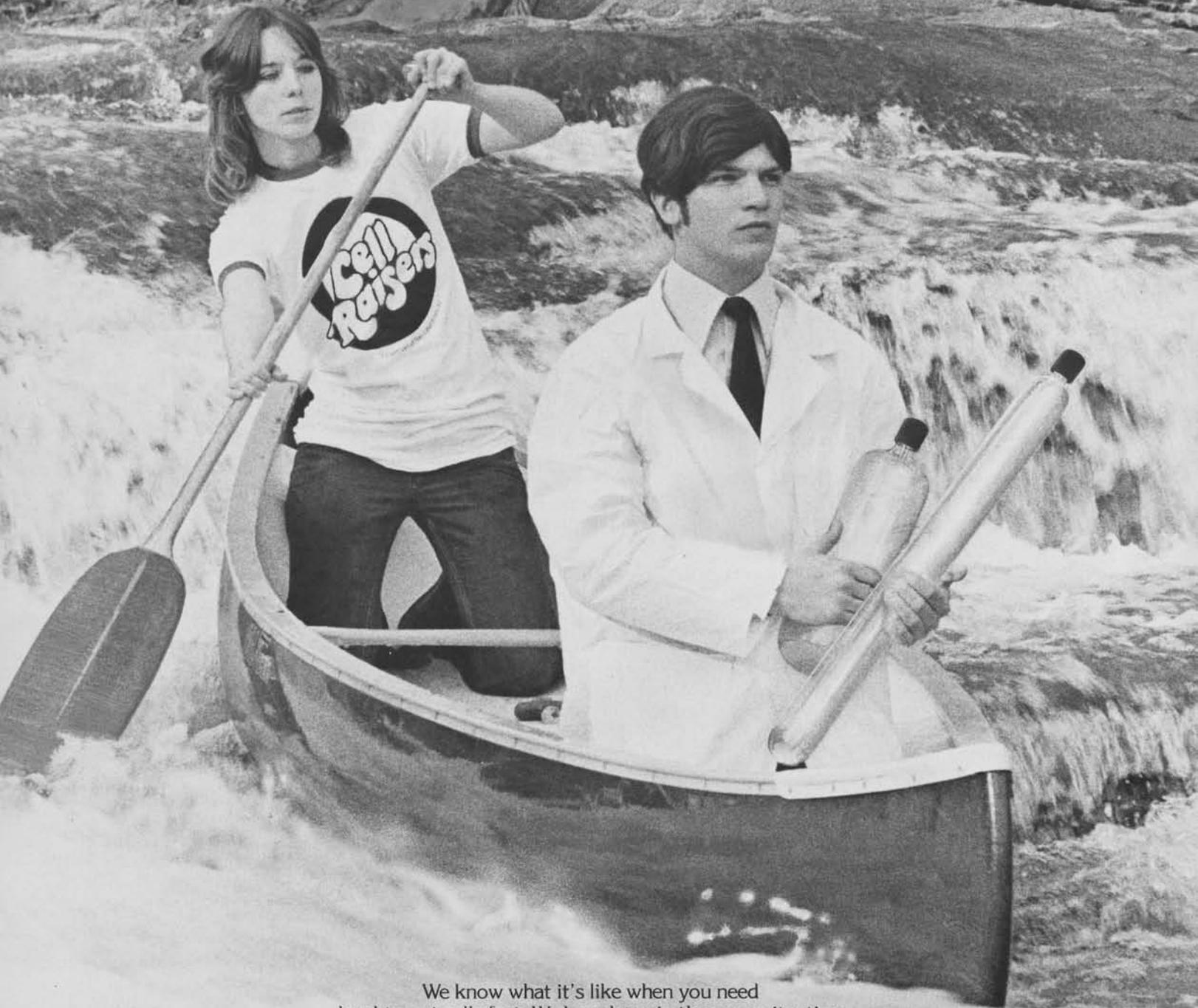


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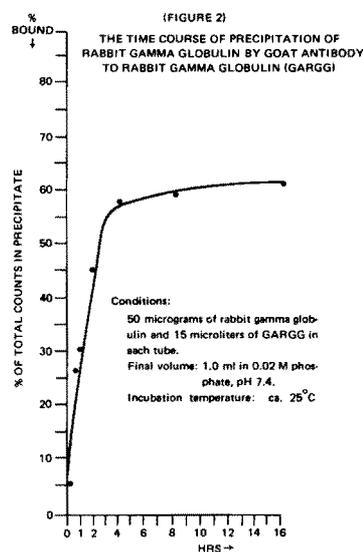
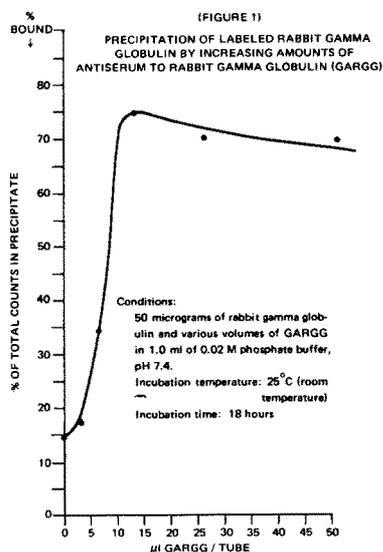
rabbit gamma globulin is diluted to a stock solution containing 1 mg/ml in phosphate buffer, pH 7.4, at a label level of 200,000 counts/mg. 10,000 counts, equivalent to 50 µg of rabbit gamma globulin, are added to a series of tubes containing levels of raw antiserum increasing from 0 to 50 microliters. Buffer is added to a final volume of 1.0 ml in each tube. Precipitation is complete in 4 to 8 hours (see Fig. 2), but incubation is continued overnight. The tubes are spun and the radioactivity is measured in the supernatant as well as in the precipitate. A plot of the percentage of counts bound in the precipitate against antiserum volume/tube permits calculation of the exact amount of antibody

needed to maximally precipitate a given weight of rabbit gamma globulin. As defined by Calbiochem, one unit of GARGG will maximally precipitate 40 micrograms of labeled rabbit gamma globulin under the above conditions. In practice, one unit is also that amount of GARGG needed to run one "tube" during any Calbiochem protocol requiring second antibody.

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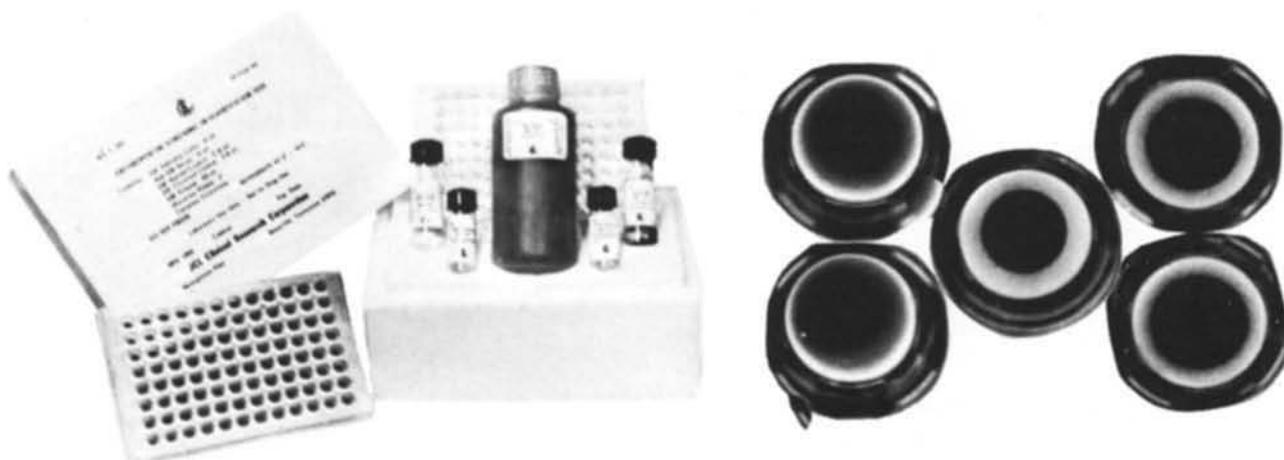
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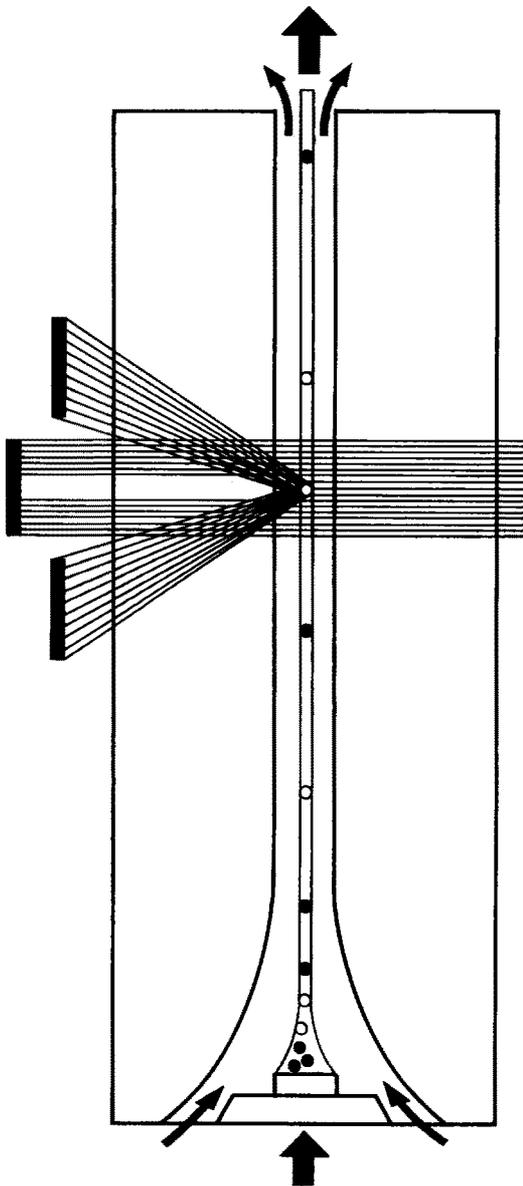
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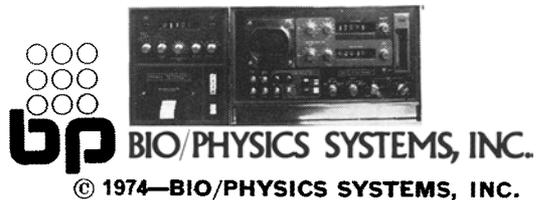


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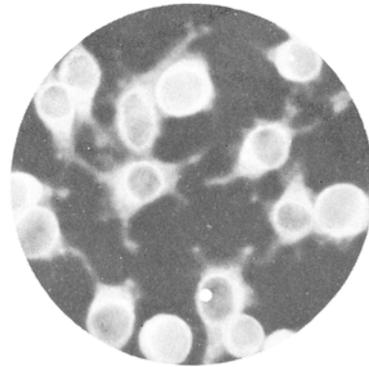
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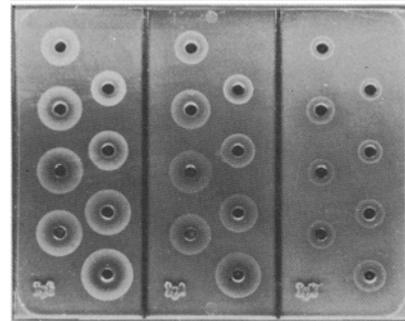
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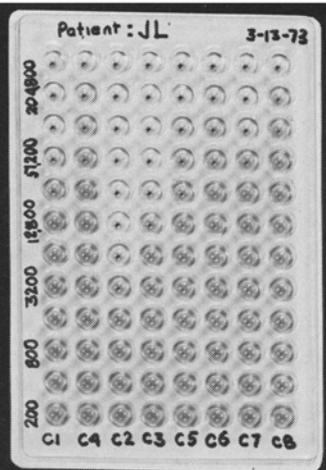


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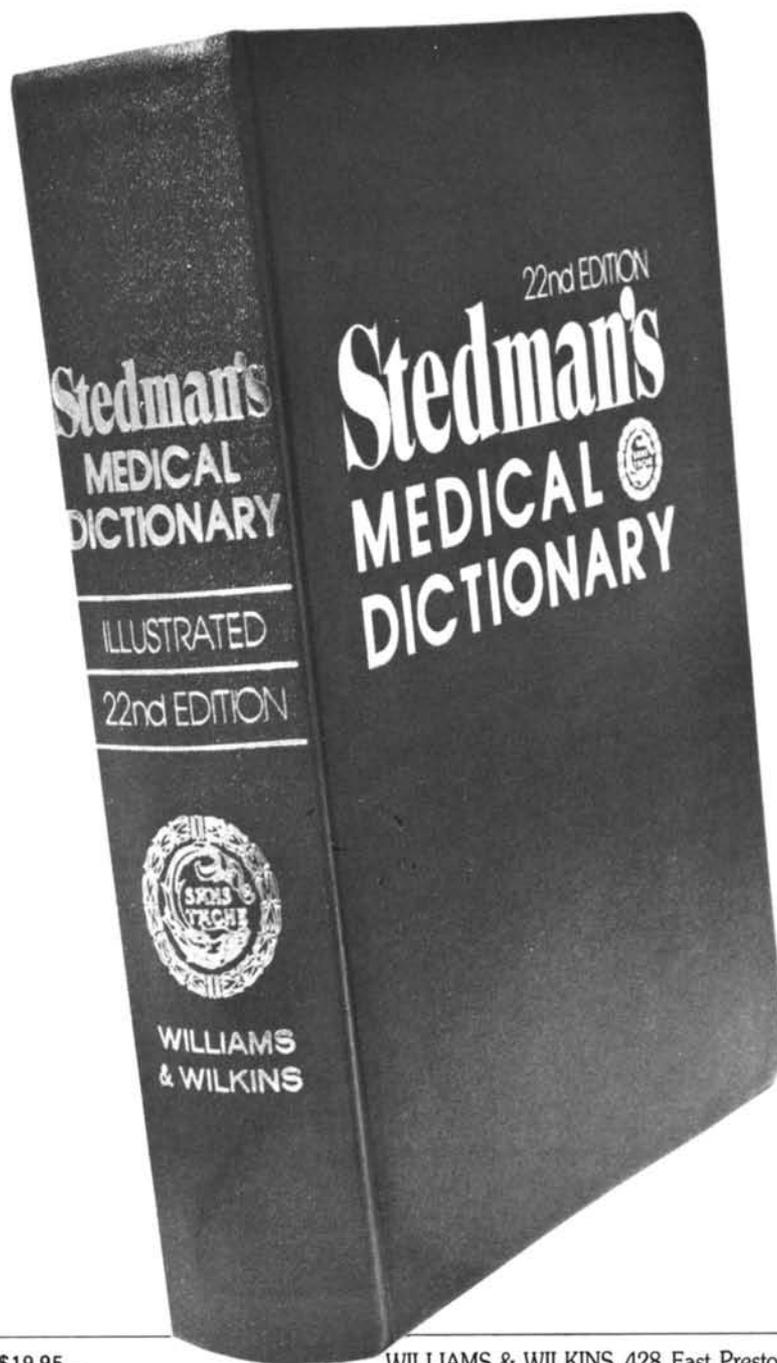
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