



PROFESSIONAL INFORMATION REPORT **84-2**

SERACULT®

Three Studies Comparing Reactivity and Sensitivity
With Another Fecal Blood Test

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SERACULT® Fecal Occult Blood Test

Purpose:

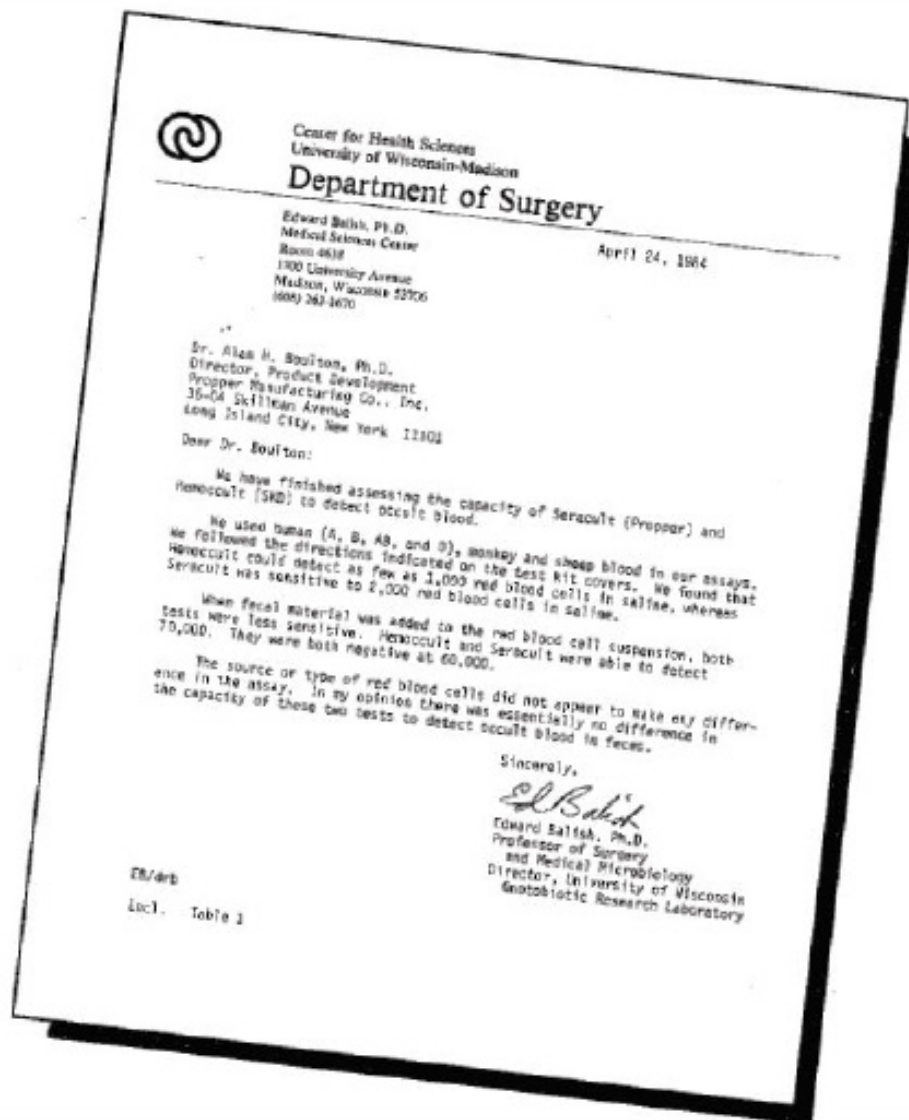
To compare the reactivity and sensitivity of the SERACULT Guaiac—impregnated paper to that of the Hemocult* with regard to the detection of human blood

Protocol:

Each of three groups of investigators, working independently, designed their own evaluation methods.

Conclusions:

SERACULT is equivalent to Hemocult in sensitivity and ease of interpretation





TUFTS UNIVERSITY
School of Medicine
School of Dental Medicine
School of Veterinary Medicine
Sackler School of Biomedical Sciences

Department of Anatomy and
Cellular Biology

March 25, 1984

Alan S. Boulton, Ph.D.
Director, Product Development
Propper Manufacturing Co., Inc.
28-64 Skillman Avenue
Long Island City, NY 11101

Dear Dr. Boulton,

I recently tested your product (Sensacult) and compared it to a similar product (Hemacult) manufactured by Seron Sling Diagnostics.

I found the two products to be generally equivalent in reactivity and consistency. Both gave consistently positive results at blood dilutions up to 1:40,000. However, the Sensacult product produced a more distinct ring which did not fade as rapidly as that of the Hemacult product particularly at low blood concentrations. My research associate, Dr. Bruce Cery, confirmed these results independently.

Sincerely,

Maria Brysonka, Ph.D.
Associate Professor

MB/rd

191 Main Street
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02110





UNIVERSITY OF MINNESOTA
DULUTH

School of Medicine
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Duluth, Minnesota 55812

March 8, 1984

Alan M. Boulton, Ph.D.
Director, Product Development
Propper Manufacturing Company, Inc.
36-04 Skillman Avenue
Long Island City, NY 11101

Dear Doctor Boulton:

I have tested the Seracult Fecal Occult Blood Test (Propper) and Smith-Kline's Hemoccult Test for equivalency in reactivity and sensitivity for occult blood. For this purpose I utilized human blood dilutions, applying 0.03 ml to a slide, drying overnight, developing the slides and reading the blue (positive) color on a scale of 0 to +4. I ran a minimum of twelve samples at each dilution. The results are summarized as follows:

Product	DILUTION					
	1:1000	1:2500	1:5000	1:10000	1:20000	1:30000
Seracult	+++	+++	++	++	+	+
Hemoccult	+++	+++	++	++	++	+

I therefore conclude that the two products, Seracult (Propper) and Hemoccult (Smith-Kline), are equivalent in reaction and sensitivity.

Sincerely,

[Signature]
Czesław A. Lukaszewicz, Ph.D.
Associate Professor of Medical
Microbiology and Immunology

OAL/sj

