

# THE JOURNAL OF IMMUNOLOGY<sup>®</sup>

Official Journal of The American Association of Immunologists □□□

# Leitz lights the way in fluorescence microscopy. Fifty straight years.

The field of fluorescence microscopy has benefited from intensive development in the past few years.

And no other company has contributed more innovations to microscopy than Leitz®.

## **Superior brightness.**

Today's fluorescence microscopes have highly fluorochrome specific filter systems and superior optics, resulting in tremendously enhanced performance.

Multi-layer coating methods lead to asymmetric interference filters which permit excitation of fluorescence dyes at their absorption maximum, resulting in superior image brightness.

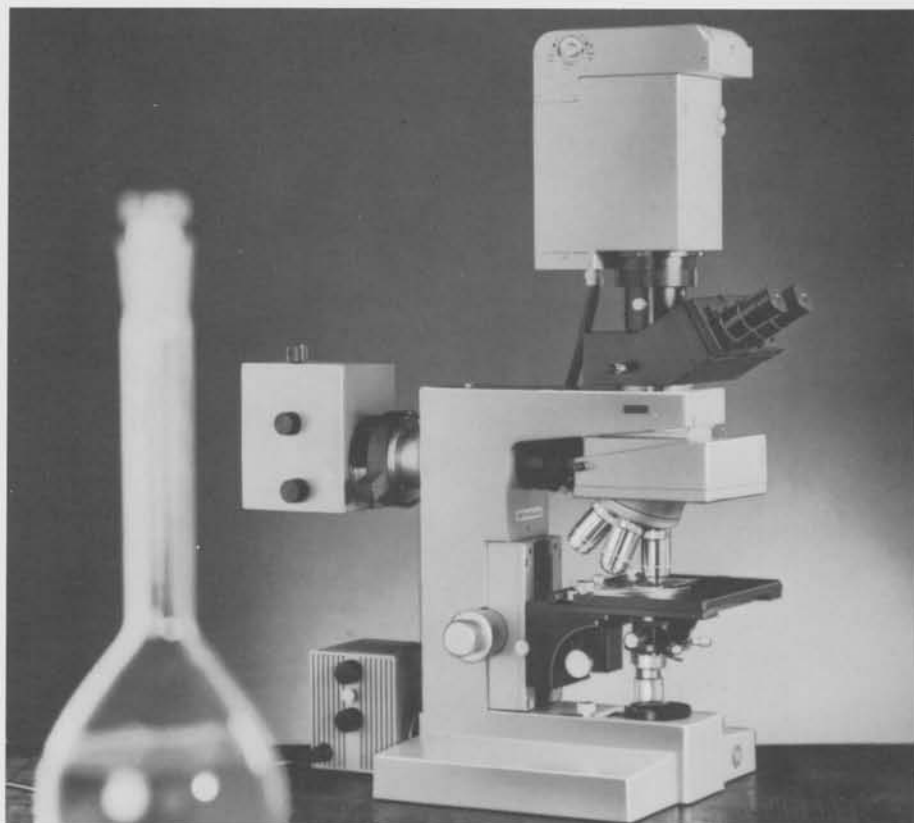
An example is the KP500 filter, which excites the FITC molecule at 490nm and which has a steep enough cutoff toward the longer wave lengths to permit observation of FITC fluorescence at 526nm.

Narrow band excitation by the use of KP500 together with an edge filter eliminates non-specific fluorescence.

More powerful light sources, such as the HB0100 and XB075, can be utilized for incident light fluorescence increasing image brilliance even further.

## **Modular filter system.**

Entire filter systems consisting of exciter and barrier filters are now contained in one module. One can quickly be switched to three others or



interchanged against other application-specific modules, Leitz features eighteen in all.

And the elimination of the darkfield condenser by using incident light fluorescence adds convenience and improves the brightness of the fluorescence image.

The full aperture of the objective can be utilized and the specimen must be immersed only at the top.

## **Special fluorescence objectives.**

Microscope objectives are now available which have been

specially computed to allow for fluorescence microscopy without any compromise. Oil immersion objectives from 10 to 100x and water immersion objectives from 25 to 100x. Most are available as phase contrast objectives.

E. Leitz, Rockleigh, N.J. 07647  
Please send more information  
on fluorescence microscopes.



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THE JOURNAL  
OF  
IMMUNOLOGY

VOLUME 121  
NUMBER 4 TO 6

BALTIMORE, MD. 21202  
1978

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**THE JOURNAL OF IMMUNOLOGY®**

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*Published monthly*, beginning January, 1929. (From 1916 to 1925, and in 1928 Volumes I-X inclusive, and Vol. XV published bi-monthly.)

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