Ortho announces the most powerful, precise, and versatile instrument for cell sorting and analysis ever available commercially: the Ortho Cytofluoro-grafram System 50. It combines a rapid cell sorter (based on the electrostatic droplet deflection principle) with a flexible, wide-ranging analysis package in a single versatile unit.

Ortho System 50 for analysis.

Its dual-laser excitation system provides three modes of excitation. There are two single individual-excitation sources for different purposes: a .8 milliwatt helium-neon laser for ultra-high-precision scatter measurements, and a 5-watt argon laser for fluorescence measurements.

There are four detectors: two are photomultiplier tubes for broad visible-range response, two are solid-state photo sensors for axial light loss and narrow forward-angle scatter. A photomultiplier tube provides for measuring wide-angle scatter.

12 measurement parameters.

The System 50 Cytofluorograf permits for the first time yielding of morphological information by a flow cytometric instrument. Because pulse height analysis, pulse area analysis, and pulse width analysis can be selected for every detector output, a total of 12 distinct measurement parameters is available with the System 50. Other features of the system include two bi-dimensional regions of interest, dual histogram multi-channel analyzer with cytogram mode, ultra-sensitive optics, and easy sample entry.

Complete details of System 50 are available in a new brochure from your Ortho representative or direct from Ortho Instruments.

Protocols No. 26: Determination of Purity of Yeast Cells

We would like to bring your attention to an interesting application note contributed by Dr. K. J. Hutter of the Frauenhofer Gesellschaft Institute for Aerobiology, West Germany, No. 26 in the Ortho Protocols series, which describes an-immunofluorescent method for differentiating wild strains of yeast cells in cultured yeast using the Cytofluorograf. This method makes available a rapid and precise assay of the degree of contamination.

For a copy of Protocols No. 26, write or call Ortho Instruments.
What are your chances of getting cancer?

This check list is a first step in the process that could save your life. Simply check the boxes that apply to you.

**LUNG CANCER**
- Smoke a pack of cigarettes or more a day.
- Smoked for 20 years or more.
- Have a persistent cough.

**BREAST CANCER**
- Over 40 and have close relatives who had breast cancer.
- Had a breast operation.
- Have lump or nipple discharge.

**CERVICAL CANCER**
- Began having sex at an early age and with many partners.
- Have unusual bleeding or discharge between periods.

**CANCER OF THE COLON & RECTUM**
- Have a history of polyps.
- Have blood in your stool.
- Have ulcerative colitis.

**ENDOMETRIAL CANCER**
- Have a history of abnormal bleeding.
- Have diabetes and high blood pressure and are overweight.
- Began menopause late (after 55).

Absolutely nothing is more important to surviving cancer than early detection is.

So if you checked any boxes in the list above, you should discuss them with your doctor soon.

We want to cure cancer in your lifetime. But we'll never do it without your help.

American Cancer Society