A dielectric analysis program for monitoring morphological and physiological properties of protozoan cells

Toshinobu SUZAKI (Dept. Biol., Grad. Sch. Sci., Kobe Univ.)

SUMMARY

A computer program was developed (using Visual Basic 6.0) to facilitate the calculation of dielectric behavior of biological cells in suspension. The program is based on our original NEC's N88Basic program, which was upgraded to include other computer operating systems and improve its versatility in the use of calculation algorithms for simulation analysis. With the aid of this program, it is now possible to quantify and monitor various morphological and electrical parameters of living cells, including free-living protozoans.