

Fig. 2. Fluorescence micrographs of DAPI-stained sphaeroplasts (from non-synchronized culture) before enucleation: (a) *S. cerevisiae* 34 ρ^- ; (b) *S. cerevisiae* 34 ρ^- ; (c) *S. cerevisiae* H₃ ρ^+ . The large bright spots are cell nuclei, whereas the small spots visible only in (a) and (c) are mitochondria. (b) was exposed under the same conditions as (a) and (c); the uniform intracellular background in (b) is typical of other ρ^- strains (not shown). In all micrographs, the bar represents 8 μ m.

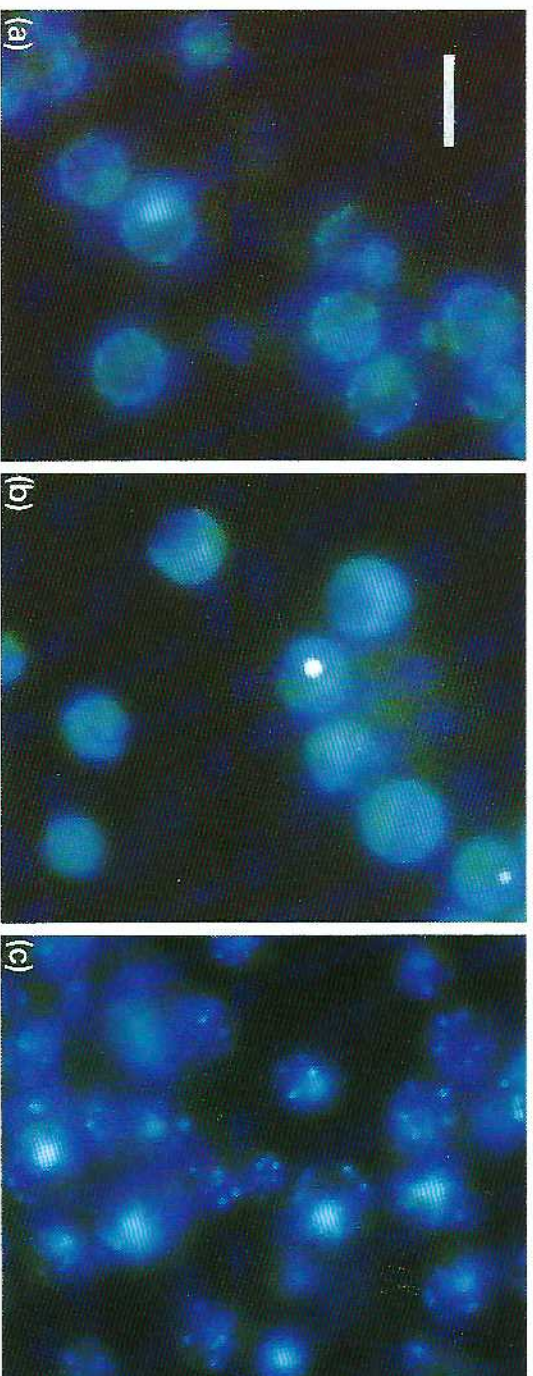


Fig. 3. Fluorescence micrographs of DAPI-stained sphaeroplasts after enucleation using enucleation medium II (including discontinuous density gradient centrifugation): (a) *S. cerevisiae* 34 ρ^- ; (b) *S. cerevisiae* 34 ρ^- ; (c) *S. cerevisiae* H₃ ρ^+ . Large bright spots visible in some cells are nuclei, but the small spots in ρ^+ strains are mitochondria. In all micrographs, the bar represents 8 μ m.