An Immunofluorescent Technique to Control the Purity of Fermenter Cultures of Yeast

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The proposed technique depends on the fluorescent labelling of cells of *Candida utilis* using a specific antiserum raised in rabbits; any contaminant present is detected by its lack of fluorescence.

Non-fluorescent cells could easily be distinguished from fluorescent cells using visible light microscopy. Illumination with ultraviolet light was necessary only in a confirmatory role.

Cells of all ages of all strains *Candida utilis* reacted with the antiserum.

Five cross-reacting strains were found among the 40 species of 14 genera of yeast tested. The specificity of the antiserum was improved after its absorption with these cross-reacting strains.