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The invention relates to biotechnology, particularly to a process for determining the dehydrogenase activity in fermentation biomass.

The process, according to the invention, provides for the introduction into the analyzed sample of the glucose and 2,3,5-triphenyl-tetrazolium chloride (TTC) solution, incubation of the mixture followed by extraction with alcohol, colorimetric determination of the optical density of the colored triphenyl-formazan solution obtained as a result of TTC dehydrogenation reaction followed by calculation of dehydrogenase activity, at the same time into the composition of the analyzed mixture is introduced squalene and phosphate buffer solution with pH 7.2, the incubation process is carried out in mesophilic conditions for 25...30 min with subsequent mixing, and the calculation of dehydrogenase activity is carried out according to the formula.

Claims: 2