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The invention relates to biotechnology, particularly to an express method for determining the dehydrogenase enzyme activity.

The method, according to the invention, comprises the introduction into the analyzed sample of the glucose and 2,3,5-triphenyl-tetrazolium chloride (TTC) solution, incubation of the mixture under vacuum, followed by extraction with alcohol, colorimetric determination of the optical density of the colored triphenyl-formazan (TPP) solution obtained as a result of TTC dehydrogenation reaction followed by calculation of activity, at the same time, into the composition of the analyzed mixture is introduced squalene, in an amount of $(5.0…5.5)10^{-4}$ % to the volume of the analyzed mixture, and phosphate buffer solution up to pH 7.2, and as substrate is used 0.2 M glucose solution and 2% TTC, the incubation process is carried out in mesophilic conditions at a temperature of 33±1°C for 25…30 min and subsequent mixing by shaking for 5 min.

Claims: 2