

ABSTRACT

A METHOD OF FREEZE-DRYING ENCAPSULATED CELLS, FREEZE-DRIED ENCAPSULATED CELLS, COMPOSITIONS CONTAINING FREEZE-DRIED ENCAPSULATED CELLS AND USES OF SUCH CELLS AND COMPOSITIONS

The disclosure provides a method of freeze-drying encapsulated cells, the method comprising at least two consecutive incubation steps, wherein the encapsulated cells are incubated in each incubation step in an incubation solution containing cryoprotectant over a suitable period of time, wherein the concentration of cryoprotectant in the incubation solution is increased with each subsequent incubation step. The disclosure also provides freeze dried cells that are obtained by this method as well as various uses of these cells as pharmaceutical, food additive or additive in cosmetics. The disclosure also provides a composition that contains skim milk, glycerol and a carbohydrate.

[FIG.2]