

Summary

[0010a] In an aspect, there is provided a method for culturing bacteriocin-producing lactic acid bacterium, comprising:

a culture solution preparation step of preparing a culture solution containing whey degraded by a proteolytic enzyme and adding an emulsifier to said culture solution; and

a culture step of inoculating bacteriocin-producing lactic acid bacterium into said culture solution and culturing said lactic acid bacterium while maintaining said culture solution inoculated with said lactic acid bacterium at pH of not lower than 4 and lower than 5.

[0010b] In another aspect, there is provided a method for producing fermented milk, comprising:

a raw material milk producing step of producing a yogurt mix;

a culture producing step of culturing a bacteriocin producer which is bacteriocin-producing lactic acid bacterium to thereby produce a culture of said bacteriocin producer;

an addition step of adding said culture to said yogurt mix; and

a fermentation step of fermenting said yogurt mix to which said culture is added, wherein said culture producing step includes:

a culture solution preparation step of preparing a culture solution containing whey degraded by a proteolytic enzyme and adding an emulsifier to said culture solution; and

a culture step of inoculating said bacteriocin producer into said culture solution and culturing said bacteriocin producer while maintaining said culture solution inoculated with said bacteriocin producer at pH of not lower than 4 and lower than 5, to thereby produce said culture.