

Title (en)

PROCESS FOR OBTAINING BACTERIUM-SIZE PARTICLES

Title (de)

VERFAHREN ZUR ERZEUGUNG VON PARTIKEL MIT BAKTERIENGRÖSSE

Title (fr)

PROCEDE PERMETTANT D'OBTENIR DES PARTICULES DE DIMENSIONS BACTERIENNES

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Application

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Abstract (en)

[origin: WO2004047806A1] The invention is a process for producing particles of bacterium size from cholesterol, as well as the particles made by the process suitable for stimulation of production of anticholesterol antibody and the process for producing micrococcus size (100-500 nm) particles suitable for immunization with the use of cholesterol of high purity degree. The invention relates to a process for producing particles of bacterium size from cholesterol during said process a supersaturated solution is heated to the level of saturation, and a nearly saturated solution is made, which is characterized by that, conditions for producing liquid membranes arranged as crystals from cholesterol molecules are created by changing the cholesterol in the unsaturated cholesterol solution with continuous, equal changing of the combination ratio of polar and nonpolar solvents, then by transmitting physical energy of determined amplitude and energy said membranes are transformed to particles having a characteristic structure that can be observed by a microscope. The invention relates further to particles produced preferably by the process according to the invention, which is characterized by that, the surface membrane of the particle of micrococcus size constitutes of cholesterol of high purity degree.

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