

Title (en)
METHOD AND DEVICE FOR INACTIVATING VIRUSES AND/OR BACTERIA IN LIQUID MEDIA, IN PARTICULAR IN BLOOD PLASMA AND PRESERVED SERUM

Title (de)
VERFAHREN UND VORRICHTUNG ZUM INAKTIVIEREN VON VIREN UND/ODER BAKTERIEN IN FLÜSSIGEN MEDIEN, INSBESONDERE IN BLUTPLASMEN UND SERUMKONSERVEN

Title (fr)
PROCÉDÉ ET DISPOSITIF D'INACTIVATION DE VIRUS ET/OU DE BACTÉRIES DANS DES MILIEUX LIQUIDES, EN PARTICULIER DANS LE PLASMA SANGUIN ET/OU LE SÉRUM CONSERVÉ

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Application
EP 07764355 A 20070611

Priority
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Abstract (en)
[origin: WO2007143971A2] In the method for inactivating viruses and/or bacteria in liquid media, in particular in blood plasma and preserved serum, the medium is irradiated under a protective gas with low frequency ultrasound. The medium is irradiated with a power density of the ultrasound which is such that hard cavitation occurs, wherein cavitation bubbles produced in the medium implode in such a way that shock waves are generated which inactivate the viruses and/or bacteria. The frequency of the ultrasound is selected in the range of 15 kHz to 40 kHz. Preferably, the medium is poured into a container made of a material which lets through gas but not liquid. An additional treatment with UV light is advantageous.

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CPC (source: EP)
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DOCDB simple family (publication)
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