

(54) Title of the invention : STREPTAVIDIN BONDED MAGNETIC PARTICLES AND MANUFACTURING METHOD FOR SAME

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(57) Abstract :

Provided are streptavidin bonded magnetic particles having a high biotin binding capability and a manufacturing method for the same. Streptavidin bonded magnetic particles characterised by having a structure in which streptavidins are cross linked on magnetic particles. A manufacturing method for streptavidin bonded magnetic particles including the following steps. (1) A step for preparing a suspension containing magnetic particles having amino groups on the surface thereof; and (2) a step for adding glutaraldehyde to the suspension prepared in step (1) in the presence of streptavidin and reacting the magnetic particles with the streptavidin and glutaraldehyde. These streptavidin bonded magnetic particles and streptavidin bonded magnetic particles manufactured by means of this manufacturing method can be used in clinical diagnosis.

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