

Title (en)

METHOD FOR THE PURIFICATION OF DNA/RNA OF PROTEINS AND CELLULAR RESIDUAL SUBSTANCES IN CELL LYSATE

Title (de)

VERFAHREN ZUR REINIGUNG DER DNA/RNA VON PROTEINEN UND ZELLULÄREN RESTSTOFFEN IM ZELLENLYSAT

Title (fr)

PROCÉDÉ DE PURIFICATION DE L'ADN / ARN DE PROTÉINES ET DE RÉSIDUS CELLULAIRES DANS DU LYSAT CELLULAIRE

Publication

**EP 1904633 A1 20080402 (DE)**

Application

**EP 05819710 A 20051222**

Priority

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- AT 1952005 A 20050207

Abstract (en)

[origin: WO2006081597A1] The invention relates to a method for the purification of DNA/RNA of proteins and cellular residual substances in cell lysate. In order to create an advantageous method, purification is carried out by means of controlled selective flocculation of proteins and cellular residual substances by using a composition consisting of polymers with negatively, positively charged and hydrophobic groups, microparticles of a three-dimensional polymer matrix with negatively charged and hydrophobic groups, a composition consisting of ionic and non-ionic surfactants and a substance cleaving SS bridges in a buffer with a low pH in the following addition sequence: 1) a buffer with a low pH, the composition consisting of ionic and non-ionic surfactants and a substance cleaving SS bridges; 2) the composition consisting of polymers with negatively charged groups, polymers with negatively charged and hydrophobic groups, polymers with negatively charged and hydrophobic groups, microparticles of the three-dimensional polymer matrix with negatively charged and hydrophobic groups; 3) polycations, with subsequent centrifuging. .

IPC 8 full level

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CPC (source: EP)

**C12N 15/1006** (2013.01); **C12N 15/101** (2013.01)

Citation (search report)

See references of WO 2006081597A1

Citation (examination)

- WO 0204555 A1 20020117 - BAYER AG [DE], et al
- DE 4333805 A1 19950302 - TOSOH CORP [JP]

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