

Title (en)  
METHOD FOR ISOLATING NUCLEIC ACIDS

Title (de)  
VERFAHREN ZUR ISOLIERUNG VON NUCLEINSÄUREN

Title (fr)  
PROCEDE D'ISOLEMENT D'ACIDES NUCLEIQUES

Publication  
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Application  
**EP 00903676 A 20000209**

Priority  
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Abstract (en)  
[origin: DE19907023A1] A method for isolation of nucleic acids, comprising adsorption onto polymeric beads at neutral or acidic pH then release at basic pH, is new. Method for isolating nucleic acid (NA) comprises: (i) mixing a sample at pH 7 or below with a polymer (A) that is insoluble in water and nonionic at basic and neutral pH to adsorb NA; (ii) separating (A) and (iii) treating (A) with an aqueous phase at pH over 7 to release NA. (A) consists of beads of particle size 3-100 micron prepared from 5-98% amino-monomer (AM), 0.3-90% crosslinker (CL) and 0-93% vinyl monomer (VM), by weight. Independent claims are also included for the following: (1) macroporous polymer beads (A') of particle size 3-100 micron, pore size 10-1000 nm and specific surface area (measured by the BET method) 5-500 square m/g and prepared from 5-98% AM, 2-30% CL and 0-93% hydrophobic VM; (2) water-insoluble but water-swellaable polymer beads (A'') of particle size 3-100 micron and prepared from 5-79.7% AM, 0.3-10% CL and 10-93% hydrophilic VM; (3) a method for preparing (A') and (A''); (4) the amino-monomer of formula (I); (5) a method for preparing (I); and (6) an agent for isolation of NA comprising (A') or (A'').

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IPC 8 full level  
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