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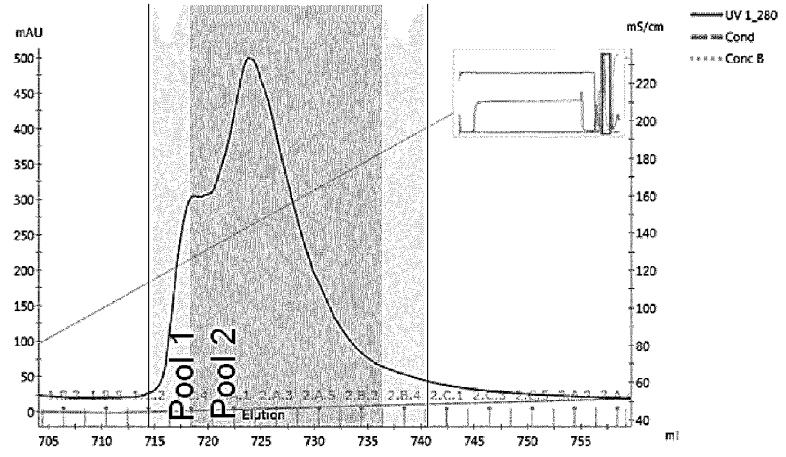
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(54) **Title:** PURIFICATION PROCESS FOR BIOLOGICAL MOLECULES SUCH AS PLASMID DNA USING ANIONIC EXCHANGE CHROMATOGRAPHY

Fig. 4:



(57) **Abstract:** The present invention provides new, improved methods for the purification or isolation of a biological molecule of interest, such as plasmid DNA (pDNA) involving an anion exchange (AEX) chromatography step. The method achieves the simple and effective removal of impurities such as RNA, genomic DNA, proteins, cellular fractions, or combinations thereof. The novel methods of the present invention are particularly suitable for large-scale production plants and provide for purified biomolecules (such as pDNA) with excellent quality and good yields, while also allowing for faster processing times and reduced costs.

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