

ANION EXCHANGE IN MIXED SOLVENT SYSTEMS.  
KINETICS OF ION EXCHANGE.

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The diffusion of chlorocomplexes of corrosion and fission products in anion exchange beads has been studied in mixed solvent media. The effects of variables on the kinetics of the exchange process by the batch and flow technique were examined. The strongly basic anion exchanger Dowex 2X8 in  $\text{Cl}^-$  form was used in organic solvent - water - hydrochloric acid media. The dependence of the exchange rate on the temperature, the viscosity of the solution, the mean resin particle diameter and the composition of the solution has been studied. Film and particle diffusion coefficients were calculated from the experimental data. The results provide valuable data for the design of separation procedures.