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Abstract

Radiotracer studies with 45Ca, 89Sr, and 133Ba showed that permeation of Sr2+ and Ba2+ through PVC membranes contg. Orion 92-20-02 liq. ion exchanger was inhibited by their low affinity for the ion-exchanger sites. Be2+ permeation was also inhibited by the strong affinity of the membrane for the ions. When acid is present on 1 side of the membrane preferential permeation of H+ may lead to transport of ions against their concn. gradient to maintain the balance of charge.