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Author	白田, 重和(Usuda, Shigekazu) 吉川, 英樹(Yoshikawa, Hideki) 間柄, 正明(Magara, Masaaki) 初川, 雄一(Hatsukawa, Yuichi)
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## **Rapid Anion-Exchange Separation of Berkelium with Mineral Acid-Methyl Alcohol Mixtures\***

Shigekazu USUDA\*\*, Hideki YOSHIKAWA, Masaaki MAGARA\*\*,  
and Yuichi HATSUKAWA\*\*\*

臼田重和\*\*, 吉川英樹, 間柄正明\*\*, 初川雄一\*\*\*

Adsorption behaviour of Bk/III/ on anion-exchange resin in mineral acid-methyl alcohol mixtures has been investigated. Berkelium was successively separated with a HCl-CH<sub>3</sub>OH mixture at elevated temperatures within 5 min from an Al catcher foil collecting the recoil products of the  $^4\text{He} + ^{241}\text{Am}$  reaction. The counting source of Bk was immediately prepared for alpha- and X-ray spectrum measurements. Rapid separation of Bk from Ce was also performed by the use of a HNO<sub>3</sub>-CH<sub>3</sub>OH mixture.

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\*\* 日本原子力研究所

\*\*\* 東京都立大学理学部