

ABSTRACT

An object of the present invention is to provide a method for purifying efficiently and easily a ^{226}Ra -containing solution obtained when ^{225}Ac is produced from a ^{226}Ra target, a method for producing a ^{226}Ra target by using the purified ^{226}Ra -containing solution obtained by the above purification method, and a method for producing ^{225}Ac including these above methods. The method for purifying a ^{226}Ra -containing solution according to the present invention is characterized by including an adsorption step (R1) of allowing ^{226}Ra ions to adsorb onto a carrier having a function of selectively adsorbing divalent cations by bringing a ^{226}Ra -containing solution (a) into contact with the carrier under an alkaline condition; and an elution step (R2) of eluting the ^{226}Ra ions from the carrier under an acidic condition.