

Materials List for:

Separation of Uranium and Thorium for ²³⁰Th-U Dating of Submarine Hydrothermal Sulfides

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Materials

Name	Company	Catalog Number	Comments
AG 1-X8 anion-exchange resin	BIO-RAD	140-1441	Separating rare elements
Ammonia solution	Kanto Chemical CO., INC.	1336-21-6	Reagent
Glass vials	BOTEX	None	Sample collection
Hydrochloric acid	Sinopharem chemical reagent Co. Ltd	7647-01-0	Reagent
Hydrofluoric acid	EMD Millipore CO.	7664-39-5	Reagent
Neptune Plus	Thermo Fisher Scientific CO.	None	Apparatus
Nitric acid	Sinopharem chemical reagent Co. Ltd	7697-37-2	Reagent
Perchloric acid	Kanto Chemical CO., INC.	32059-1B	Reagent
Ultrapure water	Merck Millipore	None	Produced by Mill-Q Advantage system
Wipe paper	Kimberley-Clark	0123-12	Wipe and clean
2 ml vial	Nelgene	5000-0020	Sample collection
229Th-233U-236U spike	None	None	Reagent
7 ml PFA beaker	Savillex	200-007-20	Sample treatment
10 ml centrifuge	Nelgene	3110-1000	Sample treatment
30 ml PFA beaker	Savillex	200-007-20	Sample treatment