

MURR[®]

Research Grade

¹⁸⁶Re1513 Research Park Drive
Columbia, MO 65211Information: www.murr.missouri.eduOrdering: <https://murrorders.missouri.edu>

Main Phone: (573)882-4211

Customer Service: (573)884-3183

aluminum perrhenate**Information**

Half life:	3.7 days
Availability:	Made to Order
Production Day:	Monday
Order Deadline :	At least 2 weeks prior to production day
Shipments:	Monday-Friday
Storage:	Room Temperature
Packaging:	2 or 5 mL v-bottom vial, or 1.5 mL screw-cap or Holister stier vial
Dispensing parameters:	per customer request

Typical Specifications

Compound:	Re-186 Al perrhenate in H ₂ O
Specific Activity:	≤ 3 Ci/mg on production date
Activity Concentration:	per customer request
Radionuclidic purity:	95% Re-186, 3.2% Re-188
Radiochemical purity:	≥ 99% aluminum perrhenate
pH:	n/a

**Please Note: This radiochemical is not intended for human use in its delivered form.
Verification of suitability for use in humans is the sole responsibility of the purchaser.**

Re-186 Decay Table		Half-life: 3.718 days								
Days	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	1.0000	0.9815	0.9634	0.9456	0.9281	0.9110	0.8942	0.8777	0.8614	0.8455
1	0.8146	0.7995	0.7848	0.7703	0.7561	0.7421	0.7284	0.7149	0.7017	0.6888
2	0.6760	0.6636	0.6513	0.6393	0.6275	0.6159	0.6045	0.5933	0.5824	0.5716
3	0.5611	0.5507	0.5405	0.5305	0.5207	0.5111	0.5017	0.4924	0.4833	0.4744
4	0.4656	0.4570	0.4486	0.4403	0.4322	0.4242	0.4164	0.4087	0.4011	0.3937
5	0.3864	0.3793	0.3723	0.3654	0.3587	0.3520	0.3455	0.3392	0.3329	0.3267
6	0.3207	0.3148	0.3090	0.3033	0.2977	0.2922	0.2868	0.2815	0.2763	0.2712
7	0.2662	0.2612	0.2564	0.2517	0.2470	0.2425	0.2380	0.2336	0.2293	0.2250
8	0.2209	0.2168	0.2128	0.2089	0.2050	0.2012	0.1975	0.1939	0.1903	0.1868
9	0.1833	0.1799	0.1766	0.1733	0.1701	0.1670	0.1639	0.1609	0.1579	0.1550
10	0.1521	0.1493	0.1466	0.1439	0.1412	0.1386	0.1360	0.1335	0.1311	0.1286

M U R e s e a r c h R e a c t o r C e n t e r

June 2011