

MURR[®]

Research Grade

¹⁶⁶Ho1513 Research Park Drive
Columbia, MO 65211Information: www.murr.missouri.eduOrdering: <https://murrorders.missouri.edu>

Main Phone: (573)882-4211

Customer Service: (573)884-3183

holmium chloride**Information**

Half life:	1.1 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 plastic screw-cap
Dispensing parameters:	Min: 20 µL, per customer request

Typical Specifications

Compound:	Ho-166 in 0.05 M HCl
Specific Activity:	2.2 Ci/mg on production date
Activity Concentration:	per customer request
Radionuclidic purity:	95%
Radiochemical purity:	99.5% holmium chloride
pH:	1-2

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.

Ho-166 Decay Table		Half-life: 1.118 days									
Days	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
0	1.0000	0.9399	0.8834	0.8303	0.7804	0.7335	0.6894	0.6479	0.6090	0.5724	
1	0.5056	0.4752	0.4466	0.4198	0.3946	0.3708	0.3485	0.3276	0.3079	0.2894	
2	0.2720	0.2556	0.2403	0.2258	0.2123	0.1995	0.1875	0.1762	0.1656	0.1557	
3	0.1463	0.1375	0.1293	0.1215	0.1142	0.1073	0.1009	0.0948	0.0891	0.0837	
4	0.0787	0.0740	0.0695	0.0654	0.0614	0.0577	0.0543	0.0510	0.0479	0.0451	
5	0.0423	0.0398	0.0374	0.0352	0.0330	0.0311	0.0292	0.0274	0.0258	0.0242	
6	0.0228	0.0214	0.0201	0.0189	0.0178	0.0167	0.0157	0.0148	0.0139	0.0130	
7	0.0123	0.0115	0.0108	0.0102	0.0096	0.0090	0.0084	0.0079	0.0075	0.0070	
8	0.0066	0.0062	0.0058	0.0055	0.0051	0.0048	0.0045	0.0043	0.0040	0.0038	
9	0.0035	0.0033	0.0031	0.0029	0.0028	0.0026	0.0024	0.0023	0.0022	0.0020	
10	0.0019	0.0018	0.0017	0.0016	0.0015	0.0014	0.0013	0.0012	0.0012	0.0011	

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