

Water Sciences Laboratory

Analyte/Protocol Price List

2024



Nebraska Water Center

Daugherty Water for Food Global Institute

Nebraska Water Center, a part of the
Robert B. Daugherty Water for Food Global Institute at the University of Nebraska
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Noble Gas MS :: Water

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Groundwater Age Dating - Noble Gases Protocol ID: 08_01_01</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Minimum elemental mass required for analysis = 0.05 cc air STP/g H₂O</p> </div> <p>Sample Container: Copper Tube Sample Size: 40 gm water Preservation: None Holding Time: 180 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>4He 3He 3H-Tritium (TU) 20Ne Ar 84Kr 132Xe R/Rair 22Ne/20Ne 86Kr/84Kr 129Xe/132Xe Ar/N₂ N₂ Model Age (yr) Estimated Recharge Temperature</p>	<p>0.05 cc(STP)/gm 0.05 cc(STP)/gm 1 TU 0.05 cc(STP)/gm 0.05 cc(STP)/gm 0.05 cc(STP)/gm 0.05 cc(STP)/gm 0.05 cc(STP)/gm 0.05 cc(STP)/gm 0.05 cc(STP)/gm 0.05 cc(STP)/gm Pending</p>	<p>\$660.00</p>	<p>\$528.00</p>
<p>Tritium by Helium-3 Ingrowth Protocol ID: 08_02_01</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Minimum elemental mass required for analysis = 1 TU</p> </div> <p>Sample Container: 125 mL polyethylene bottle Sample Size: 100 gm Preservation: None Holding Time: 180 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>3H-Tritium</p>	<p>1 TU</p>	<p>\$157.50</p>	<p>\$126.00</p>

Turnaround times are subject to existing sample queues Reporting Limits are subject to verification

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p>Dissolved Helium and Neon Protocol ID: 08_02_03</p> <div style="border: 3px double black; padding: 2px; width: fit-content;"> <p>Minimum elemental mass required for analysis = 0.05 mg</p> </div> <p>Sample Container: Copper Tube Sample Size: 40 gm water Preservation: None Holding Time: 180 Days Estimated Turnaround Time: 6-8 Weeks</p>	<p>Helium Neon</p>	<p>0.05 nmol/L 0.05 nmol/L</p>	<p>\$200.00</p>	<p>\$160.00</p>