

*Water Sciences Laboratory*  
*Analyte/Protocol Price List*  
**2022**



**Nebraska  
Water Center**  
 Daugherty Water for Food Global Institute

**IRMS :: Gas**

[Nebraska Water Center](http://Nebraska Water Center), a part of the  
[Robert B. Daugherty Water for Food Global Institute at the University of Nebraska](http://Robert B. Daugherty Water for Food Global Institute at the University of Nebraska)  
 e: [dsnow1.unl.edu](mailto:dsnow1.unl.edu) | p: 1 402.472.7539 | f: 1 402.472.9599 | c: 1 402.304.3748

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b><math>\delta^{13}\text{C}</math> in CO<sub>2</sub> (breath)</b>                      Protocol ID: 12_01_07_03</p> <p style="border: 1px solid black; padding: 2px;">Minimum elemental mass required for analysis = 0.05 mg-C</p> <p>Sample Container: 12 mL Exetainer                      Sample Size: Pending                      Preservation: None                      Holding Time: 30 Days                      Estimated Turnaround Time: 6-8 Weeks</p>	$\delta^{13}\text{C}_{\text{CO}_2}$		\$17.30	\$13.84
<p><b><math>\delta^{13}\text{C}</math>, <math>\delta^{18}\text{O}</math> in CO<sub>2</sub></b>                      Protocol ID: 12_05_07_09</p> <p style="border: 1px solid black; padding: 2px;">Minimum elemental mass required for analysis = 0.05 mg-C</p> <p>Sample Container: 12 mL Exetainer                      Sample Size: 50 mL                      Preservation: None                      Holding Time: 60 Days                      Estimated Turnaround Time: 6-8 Weeks</p> <p>Reference:                      Koehler, G.; Wassenaar, L. I.; Hendry, M. J. (2000), "An Automated Technique for Measuring <math>\delta\text{D}</math> and <math>\delta^{18}\text{O}</math> Values of Porewater by Direct CO<sub>2</sub> and H<sub>2</sub> Equilibration", <i>Anal. Chem.</i> <b>72</b>, 5659-5664.</p>	$\delta^{18}\text{O}$ in CO <sub>2</sub>		\$40.40	\$32.32

Protocol	Analyte	Reporting Limit	Protocol Cost	NU Cost (20% discount)
<p><b><math>\delta^{15}\text{N}</math>, <math>\delta^{18}\text{O}</math> in <math>\text{N}_2\text{O}</math> gas</b>  <b>Protocol ID: 12_05_07_10</b></p> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> <p>Minimum elemental mass required for analysis = 0.00005 mg-N</p> </div> <p><b>Sample Container:</b> Pending  <b>Sample Size:</b> 50 mL  <b>Preservation:</b> None  <b>Holding Time:</b> 60 Days  <b>Estimated Turnaround Time:</b> 6-8 Weeks</p>	<p><math>\delta^{15}\text{N}</math> in <math>\text{N}_2\text{O}</math>  <math>\delta^{18}\text{O}</math> in <math>\text{N}_2\text{O}</math></p>		<p><b>\$40.40</b></p>	<p><b>\$32.32</b></p>