

Noble Gas Tracer Laboratory

Price List

Version: 1st Jul 2026 | Valid until 30th June 2027



Sample Type	Analysis Type	Price /sample NZ\$	Sample Size	Turnaround Time
Water – NG* Concentrations.	He, Ne, Ar, Kr, Xe Concentrations.	\$420	1 Cu tube ~18 grams of water	6-8 weeks
Water – Helium Isotopes.	He and Ne Concentrations (Ar, Kr, and Xe optional) and ³ He/ ⁴ He isotope ratio analysis	\$480	1 Cu tube ~18 grams of water	6-8 weeks
Water – Helium, Neon, and Argon Isotopes.	He, Ne, and Ar Concentrations (Kr and Xe optional) and ³ He/ ⁴ He, ²⁰ Ne/ ²² Ne, ²¹ Ne/ ²² Ne, ⁴⁰ Ar/ ³⁶ Ar, ³⁸ Ar/ ³⁶ Ar isotope ratio analysis.	\$540	1 Cu tube ~18 grams of water	6-8 weeks
Water – Helium, Neon, Argon, Krypton, and Xenon Isotopes.	He, Ne, Ar, Kr, Xe Concentrations and ³ He/ ⁴ He, ²⁰ Ne/ ²² Ne, ²¹ Ne/ ²² Ne, ⁴⁰ Ar/ ³⁶ Ar, ³⁸ Ar/ ³⁶ Ar, ⁷⁸ Kr/ ⁸⁴ Kr, ⁸⁰ Kr/ ⁸⁴ Kr, ⁸² Kr/ ⁸⁴ Kr, ⁸³ Kr/ ⁸⁴ Kr, ⁸⁶ Kr/ ⁸⁴ Kr, ¹²⁴ Xe/ ¹³⁰ Xe, ¹²⁶ Xe/ ¹³⁰ Xe, ¹²⁸ Xe/ ¹³⁰ Xe, ¹²⁹ Xe/ ¹³⁰ Xe, ¹³¹ Xe/ ¹³⁰ Xe, ¹³² Xe/ ¹³⁰ Xe, ¹³⁴ Xe/ ¹³⁰ Xe, ¹³⁶ Xe/ ¹³⁰ Xe isotope ratio analysis.	\$600	1 Cu tube ~18 grams of water	6-8 weeks
Water - Denitrification	Denitrification: He, Ne, Ar, Kr, Xe, and N ₂ and N ₂ O concentrations.	\$540	2 Cu tubes ~18 grams of water	6-8 weeks
Water – Helium isotopes and Denitrification.	Denitrification: He, Ne, Ar, Kr, Xe, and N ₂ and N ₂ O concentrations and ³ He/ ⁴ He isotope ratio analysis.	\$600	2 Cu tubes ~18 grams of water	6-8 weeks
Water – Helium, Neon, and Argon Isotopes and Denitrification.	Denitrification: He, Ne, Ar, Kr, Xe, and N ₂ and N ₂ O concentrations and ³ He/ ⁴ He, ²⁰ Ne/ ²² Ne, ²¹ Ne/ ²² Ne, ⁴⁰ Ar/ ³⁶ Ar, ³⁸ Ar/ ³⁶ Ar isotope ratio analysis.	\$655	2 Cu tubes ~18 grams of water	6-8 weeks
Water – Helium, Neon, Argon, Krypton, and Xenon Isotopes and Denitrification.	Denitrification: He, Ne, Ar, Kr, Xe, and N ₂ and N ₂ O concentrations and ³ He/ ⁴ He, ²⁰ Ne/ ²² Ne, ²¹ Ne/ ²² Ne, ⁴⁰ Ar/ ³⁶ Ar, ³⁸ Ar/ ³⁶ Ar, ⁷⁸ Kr/ ⁸⁴ Kr, ⁸⁰ Kr/ ⁸⁴ Kr, ⁸² Kr/ ⁸⁴ Kr, ⁸³ Kr/ ⁸⁴ Kr, ⁸⁶ Kr/ ⁸⁴ Kr, ¹²⁴ Xe/ ¹³⁰ Xe, ¹²⁶ Xe/ ¹³⁰ Xe, ¹²⁸ Xe/ ¹³⁰ Xe, ¹²⁹ Xe/ ¹³⁰ Xe, ¹³¹ Xe/ ¹³⁰ Xe, ¹³² Xe/ ¹³⁰ Xe, ¹³⁴ Xe/ ¹³⁰ Xe, ¹³⁶ Xe/ ¹³⁰ Xe isotope ratio analysis.	\$720	2 Cu tubes ~18 grams of water	6-8 weeks
Gas – NG Concentrations.	He, Ne, Ar, Kr, Xe Concentrations.	\$245	1 Cu tube or Glass flask.	4-6 weeks
Gas – Helium Isotopes.	He and Ne Concentrations (Ar, Kr, and Xe optional) and ³ He/ ⁴ He isotope ratio analysis	\$305	1 Cu tube or Glass flask	4-6 weeks
Gas – Helium, Neon, and Argon Isotopes.	He, Ne, and Ar Concentrations (Kr and Xe optional) and ³ He/ ⁴ He, ²⁰ Ne/ ²² Ne, ²¹ Ne/ ²² Ne, ⁴⁰ Ar/ ³⁶ Ar, ³⁸ Ar/ ³⁶ Ar isotope ratio analysis.	\$365	1 Cu tube or Glass flask	4-6 weeks
Gas – Helium, Neon, Argon, Krypton, and Xenon Isotopes.	He, Ne, Ar, Kr, Xe Concentrations and ³ He/ ⁴ He, ²⁰ Ne/ ²² Ne, ²¹ Ne/ ²² Ne, ⁴⁰ Ar/ ³⁶ Ar, ³⁸ Ar/ ³⁶ Ar, ⁷⁸ Kr/ ⁸⁴ Kr, ⁸⁰ Kr/ ⁸⁴ Kr, ⁸² Kr/ ⁸⁴ Kr, ⁸³ Kr/ ⁸⁴ Kr, ⁸⁶ Kr/ ⁸⁴ Kr, ¹²⁴ Xe/ ¹³⁰ Xe, ¹²⁶ Xe/ ¹³⁰ Xe, ¹²⁸ Xe/ ¹³⁰ Xe, ¹²⁹ Xe/ ¹³⁰ Xe, ¹³¹ Xe/ ¹³⁰ Xe, ¹³² Xe/ ¹³⁰ Xe, ¹³⁴ Xe/ ¹³⁰ Xe, ¹³⁶ Xe/ ¹³⁰ Xe isotope ratio analysis.	\$425	1 Cu tube or Glass flask	4-6 weeks

*NG – Noble Gases

- Prices can vary depending on the sample size/number and interpretation required.
- We would be happy to work with you to build a project plan and pricing structure to suit your requirements.
- The laboratory analysis prices quoted above will provide you with the concentration and noble gas isotope ratio in the sample per the selected analysis type.
- Costs for interpretation and reporting are additional, please contact us to discuss those details.
- Prices are exclusive of import inspection fees, local taxes, withholding taxes and New Zealand GST that may be applicable.
- All prices are quoted in NZ dollars and may be reviewed at any time.
- We can provide copper tubes, clamps and sampling instructions if so required. If the customer provides clamps and/or glass flasks they will be returned for the cost of shipping, used copper tubes are not returned.
- Please contact us to discuss specific sampling requirements.
- Quoted turnaround times represent a best estimate and can vary depending on the workload in the laboratory, number of samples, and are exclusive of unscheduled instrument down time, if a shorter turnaround time is required contact us.

Please contact us at noble gases@earthsciences.nz with any questions or to discuss your specific needs.

NOBLE GAS TRACER LABORATORY

Earth Sciences New Zealand (Formerly GNS Science), Avalon Campus
 1 Fairway Drive, Avalon, Lower Hutt 5011, New Zealand
 +64 4 570 1444 | www.earthsciences.nz | noble gases@earthsciences.nz