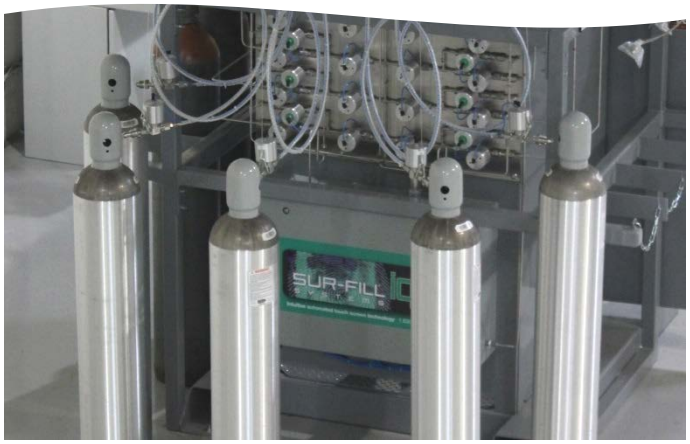
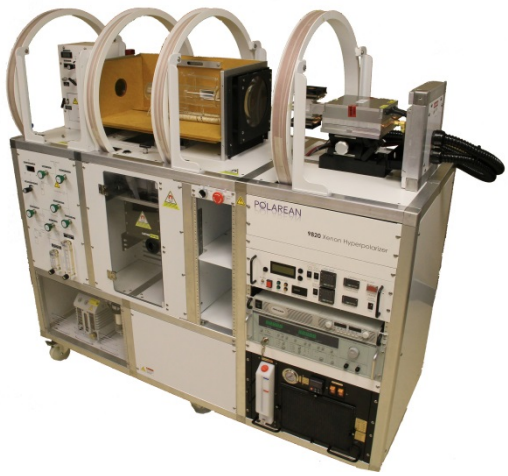
^{129}Xe in the form of gas mixtures for hyperpolarization and magnetic resonance imaging (MRI)



Hyperpolarization of Xenon-129 is a revolutionary new diagnostic imaging tool for the magnetic resonance imaging (MRI) technology.

Hyperpolarized Xenon-129 makes it possible to capturing high-resolution, 3D images of the lung using a conventional MRI scanner.

Due to the varying solubility of Xenon in different environment, it is additionally possible to illuminate organ functions and tissue characteristics in a total way.



Our Xenon-129 gas mixtures are optimized for the use in polarizers made by Polarean Inc.*

Our Xenon-129 products are manufactured in accordance with cGMP regulations.

* www.polarean.com

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Xenon-129 in the form of gas mixtures

Specification

Physical and chemical properties:

- Material: ^{129}Xe in the form of gas mixture is available with two different compositions.
- Composition:

  Mixture 1:

  ^{129}Xe - 1Vol%

  N_2 - 10Vol%.

  He - 89Vol% (balance)

  Mixture 2:

  ^{129}Xe - 3Vol%

  N_2 - 10Vol%.

  He - 87Vol% (balance)

  For other compositions, please contact us.
- Enrichment: ^{129}Xe > 90at%
- Purity: All mixtures > 99.99%
- Volume: Available in

  7,000 liter or 3,000 liter gas cylinder (with CGA 580 valve)

Impurities in vppm

CO	≤ 1
CO_2	≤ 1
H_2O	≤ 1
O_2	≤ 1
THC	≤ 1
CF_4	≤ 1

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