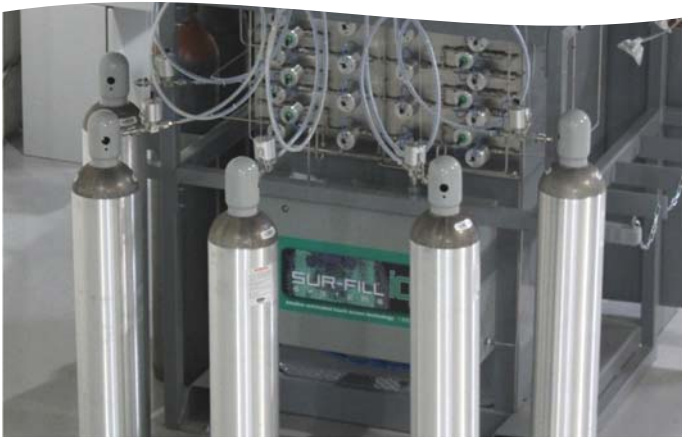


¹²⁹Xe in the form of Xenon gas for hyperpolarization and magnetic resonance imaging (MRI)



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 is optimized for the use in polarizers made by Polarean Inc.*

* www.polarean.com

Xenon-129 in the form of Xenon gas

Specification

Physical and chemical properties:

- Material ^{129}Xe in the form of Xenon gas.
- Composition Pure Xenon (Xe-129 enriched)
- Enrichment $^{129}\text{Xe} \geq 80\text{at}\%$
- Purity All mixtures $\geq 99.9\%$
- Volume Gas cylinder (with CGA 580 valve), filled with 1000 L enriched Xenon-129 gas

Impurities in vppm

CO	≤ 10
CO ₂	≤ 10
H ₂ O	≤ 10
Ar + O ₂	≤ 10
THC	≤ 1
CF ₄	≤ 5

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