

Medical Nitrogen

PROPERTIES

PHYSICAL & CHEMICAL



**OPEN
24/7**



Molar mass: 28,0134 g/mol
 Melting point: -210°C
 Boiling point: -195.9°C
 Density of the gas phase (1.013 bar and 15°C): 1.185 kg/ma
 Density of the liquid phase (1.013 bar at boiling point): 0.8082 kg/
 Gas density (1.013 bar at boiling point): 4.614 kg/ma
 Latent heat of fusion (1.013 bar at the triple point): 25.73 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 198.38 kJ/kg
 Critical temperature: -147°C
 Critical pressure: 33.999 bar
 Compressibility factor (Z) (1.013 bar and 15°C): 0.9997
 Concentration in the air: 78.08% vol.

APPLICATIONS :

in cryopreservation (biobanks) for the long-term preservation of cell lines, tissue samples, stem cells, blood, blood components, other cells and body fluids, in cryotherapy/cryosurgery, in dermatology, to destroy benign superficial lesions or pre-malignant or malignant superficial lesions confirmed by a prior biopsy, as a component or excipient in many gas mixtures.

TECHNICAL INFORMATION

Purity :	Impurities :			
N2	O2	H2O	CO	CO2
≥ 99.50%	≤ 50 ppm	≤ 67 ppm	≤ 5 ppm	≤ 300 ppm

Conditioning :

GIN	LIN
B50	Cryogenic mobil tank

European Pharmacopoeia

