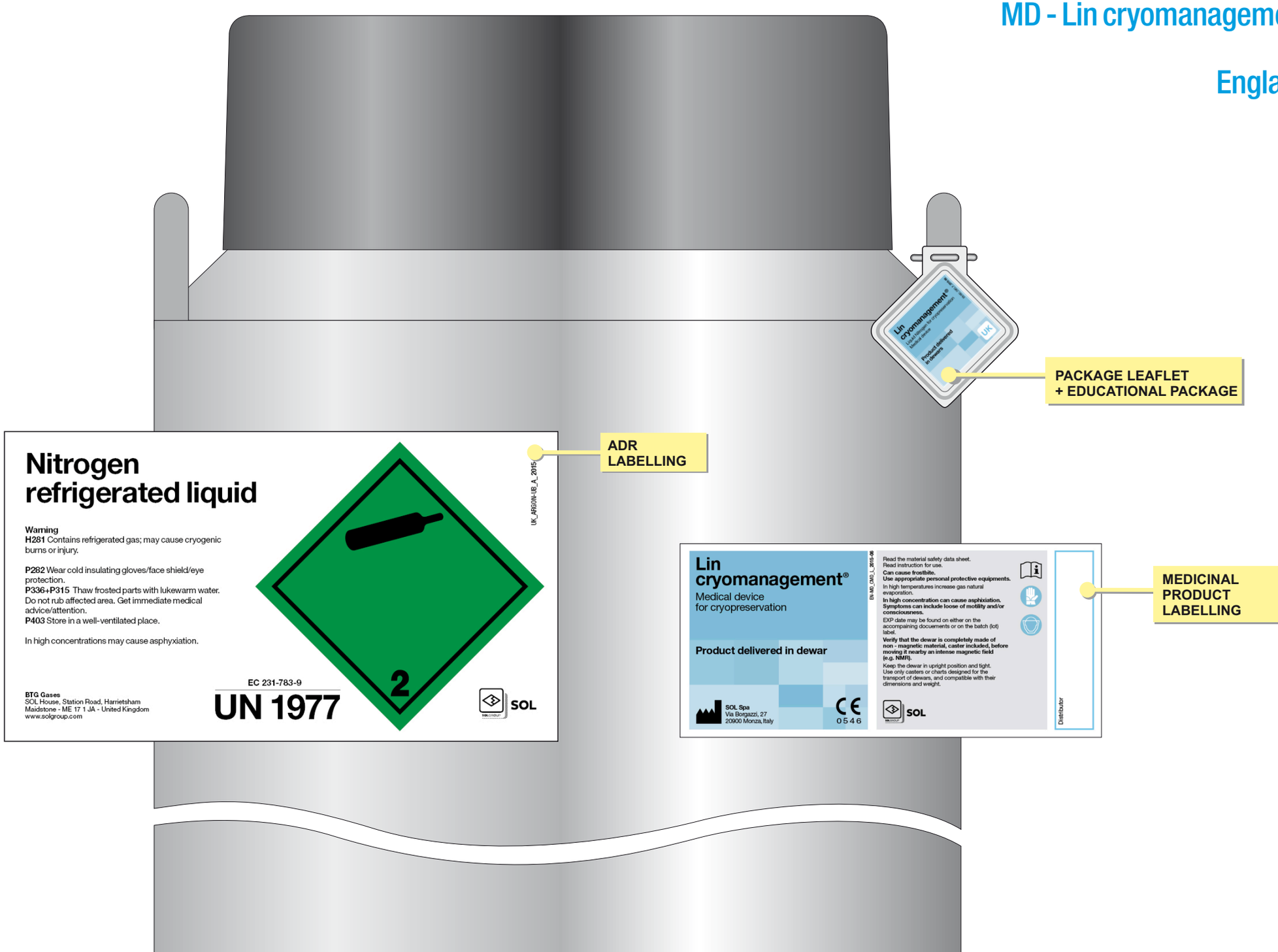
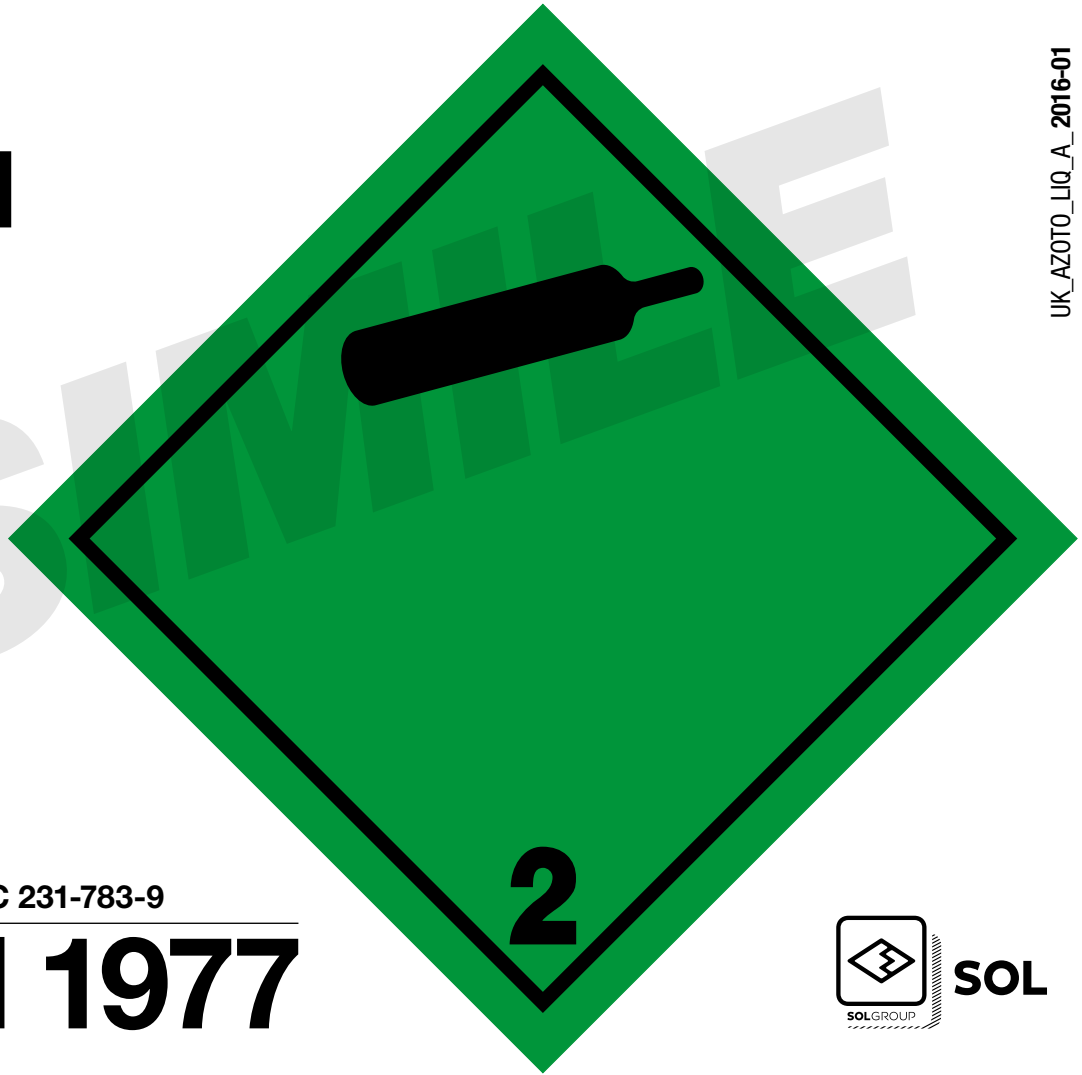
Labels on cylinders
MD - Lin cryomanagement

England



Nitrogen refrigerated liquid



UK_AZOTO_LIQ_A_**2016-01**

Warning

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

P282 Wear cold insulating gloves/face shield/eye protection.

P336+P315 Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.

P403 Store in a well-ventilated place.

In high concentrations may cause asphyxiation.

EC 231-783-9

UN 1977

BTG Gases
SOL House, Station Road, Harrietsham
Maidstone - ME 17 1 JA, United Kingdom
tel. + 44(0) 1622 851415, www.solgroup.com

SOL
SOLGROUP

Lin cryomanagement®

Medical device
for cryopreservation

Product delivered in dewar

SOL Spa
Via Borgazzi, 27
20900 Monza, Italy

CE
0546

EN-MD_CMD_L_2015-06

Read the material safety data sheet.
Read instruction for use.

Can cause frostbite.
Use appropriate personal protective equipments.

In high temperatures increase gas natural evaporation.

In high concentration can cause asphixiation. Symptoms can include loose of motility and/or consciousness.

EXP date may be found on either on the accompaining docuements or on the batch (lot) label.

Verify that the dewar is completely made of non - magnetic material, caster included, before moving it nearby an intense magnetic field (e.g. NMR).

Keep the dewar in upright position and tight.
Use only casters or charts designed for the transport of dewars, and compatible with their dimensions and weight.

SOL
SOLGROUP

Distributor

Lin cryomanagement®

Medical device
for cryopreservation

Product in fixed tanks

SOL Spa
Via Borgazzi, 27
20900 Monza, Italy

CE
0546

EN-MD_CMF_L_2015-06

Read the material safety data sheet.
Read instruction for use.

Can cause frostbite.
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In high concentration can cause asphixiation. Symptoms can include loose of motility and/or consciousness.

EXP date may be found on either on the accompaining docuements or on the batch (lot) label.

SOL
SOLGROUP

Distributor

Lin cryomanagement®

Medical device
for cryopreservation

On Tap Product

SOL Spa
Via Borgazzi, 27
20900 Monza, Italy

CE
0546

EN-MD_CMB_L_2015-06

Read the material safety data sheet.
Read instruction for use.

Can cause frostbite.
Use appropriate personal protective equipments.

In high temperatures increase gas natural evaporation.

In high concentration can cause asphixiation. Symptoms can include loose of motility and/or consciousness.

EXP date may be found on either on the accompaining docuements or on the batch (lot) label.

Verify that the dewar is completely made of non – magnetic material, caster included, before moving it nearby an intense magnetic field (e.g. NMR).

Keep the dewar in upright position and tight.
Use only casters or charts designed for the transport of dewars, and compatible with their dimensions and weight.

The responsibility of the receiving dewar conditions (suitability, safety and cleaning) is of the customer.

SOL
SOLGROUP

Distributor

Lin cryomanagement®

Liquid Nitrogen for cryopreservation
Medical device

EN-MD_CMD_P_2015-06

Product delivered in dewars

UK

Instruction for use

Composition

Liquid Nitrogen for cryopreservation is a liquefied and refrigerated gas conforming with the following specification:

Assay	N_2	≥ 99,5 %
Impurities	CO_2	≤ 300 ppm (V/V)
	CO	≤ 5 ppm (V/V)
	O_2	≤ 50 ppm (V/V)
	H_2O	≤ 10 ppm (V/V)

Destination of use

The device LIN CRYOMANAGEMENT is used for cryopreservation of Cells, tissues, organs, whole blood, gametes, DNA.

Available Configurations

Pressurized dewars may have the following capacities (espressed in liters):

30, 50, 60, 120, 160, 180, 200, 220, 240, 260. 280, 300.

Recommendations for use

The use of the device for cryopreservation techniques is restricted to specialized staff.

Due to the natural evaporation of the product a continuous monitoring of the temperature, inside the sample storage container, close to the stored biological material, is strongly suggested. When this is not possible verify periodically the temperature or the liquid nitrogen presence. The working duration indicated by the manufacturer of the sample storage container is only indicative.

A secondary containment of the sample might be useful especially if it is stored in direct contact with liquid nitrogen.

Use of Sealed bags, cryovials with screw cap and straws is recommended.

Quarantine potentially contaminated samples.

As far as possible contaminated samples should be stored separately by pathogenic agent;

Good Laboratory Practices for preparation, cryopreservation and thawing of biological material should be applied.

Precaution for use

Only experienced and properly trained personnel should manage liquid nitrogen during pouring operations.

Check the compatibility of materials for use in contact with liquid nitrogen.

Check the compatibility of materials, used to store samples: ensure that containers, blood bags, straws and screw capped vials used for cryopreservation are guaranteed to withstand temperatures generated by liquid nitrogen.

Strictly follow instruction given by manufacturers of each cryopreservation device.

Check the cleaning condition of the valve connections before every use.

Internal cleanliness condition of not pressurized dewars is user's responsibility.

Connect hoses suitable for cryogenic liquids before opening the valves. Do not use any intermediate connection if the hose is not designed to be connected with the vessel valves.

Purge the hose with the gas phase before pouring the product.

Do not try to force valve connections.

Never try to alter or repair by yourself the vessel, including valve connections. Please contact the relevant technical service when needed.

Open the valves slowly and progressively.

Use only casters or carts designed for the transport of dewars, and compatible with their dimensions and weight.

Verify that the dewar is completely made of non – magnetic material, caster included, before moving it nearby an intense magnetic field (e.g. NMR).

Precaution for storage

Keep the lid closed when the not pressurizes dewar is empty.

Protect the hose ends against pollution, when not in use.

The prolonged exposition to high temperatures increases the natural evaporation of the gas.

The expiry date is indicative: it is defined as the period a full pressurized vessel becomes empty due to natural evaporation, if not used and never refilled.

Expiry date may be found on either on the accompanying documents or on the batch (lot) label.

General Safety information

The vessel contains liquid at low temperatures (-196°C).

Use appropriate personal protective equipments.

Read the material safety data sheet.

Specific risks and potential side effects

In a confined environment high evaporation rates may cause under-oxygenated atmosphere: It may cause asphyxiation.

Symptoms can include loose of motility and/or consciousness.

Victims cannot realize asphyxiation.

Move the victims in a non-contaminated area using a breathing apparatus.

Ice and liquid spouts can cause frostbite.
In case of eyes and skin contact: rinse immediately with water for at least 15 minutes.

In any case contact a physician.

Contact points

For any additional information or communications, please contact the the manufacturer at the address herein reported or your local distributor.

CE
0546

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SOL S.p.A.
via Borgazzi 27
20900 Monza, Italy

Lin cryomanagement®

Liquid Nitrogen for cryopreservation
Medical device

EN-MD_CMF_P_2015-06

Product packaged in fixed tanks

UK

Instruction for use

Composition

Liquid Nitrogen for cryopreservation is a liquefied and refrigerated gas conforming with the following specification:

Assay	N_2	≥ 99,5 %
Impurities	CO_2	≤ 300 ppm (V/V)
	CO	≤ 5 ppm (V/V)
	O_2	≤ 50 ppm (V/V)
	H_2O	≤ 10 ppm (V/V)

Destination of use

The device LIN CRYOMANAGEMENT is used for cryopreservation of cells, tissues, organs, whole blood, gametes, DNA.

Available Configurations

The product is delivered in a permanently installed tank ,or fixed tanks, where the responsibility of the tank and its content is maintained by the manufacturer or its deputy (distributor).

Fixed tanks have capacities ≥ 800 l.

Recommendations for use

The use of the device for cryopreservation techniques is restricted to specialized staff.

Due to the natural evaporation of the product a continuous monitoring of the temperature, inside the sample storage container, close to the stored biological material, is strongly suggested. When this is not possible verify periodically the temperature or the liquid nitrogen presence. The working duration indicated by the manufacturer of the sample storage container is only indicative.

A secondary containment of the sample might be useful especially if it is stored in direct contact with liquid nitrogen.

Use of Sealed bags, cryovials with screw cap and straws is recommended.

Quarantine potentially contaminated samples.

As far as possible contaminated samples should be stored separately by pathogenic agent;

Good Laboratory Practices for preparation, cryopreservation and thawing of biological material should be applied.

Precaution for use

Only experienced and properly trained personnel should manage liquid nitrogen during pouring operations.

Check the compatibility of materials for use in contact with liquid nitrogen.

Check the compatibility of materials, used to store samples: ensure that containers, blood bags, straws and screw capped vials used for cryopreservation are guaranteed to withstand temperatures generated by liquid nitrogen.

Strictly follow instruction given by manufacturers of each cryopreservation device.

Check the cleaning condition of the valve connections before every use.

Internal cleanliness condition of not pressurized dewars is user's responsibility.

Connect hoses suitable for cryogenic liquids before opening the valves. Do not use any intermediate connection if the hose is not designed to be connected with the vessel valves.

Purge the hose with the gas phase before pouring the product.

Do not try to force valve connections.

Never try to alter or repair by yourself the vessel, including valve connections. Please contact the relevant technical service when needed.

Open the valves slowly and progressively.

Precaution for storage

Protect the hose ends against pollution, when not in use.

The prolonged exposition to high temperatures increases the natural evaporation of the gas.

The expiry date is indicative: it is defined as the period a full pressurized vessel becomes empty due to natural evaporation, if not used and never refilled.

Expiry date may be found on either on the accompanying documents or on the batch (lot) label.

General Safety information

The vessel contains liquid at low temperatures (-196°C).

Use appropriate personal protective equipments.

Read the material safety data sheet.

Specific risks and potential side effects

In a confined environment high evaporation rates may cause under-oxygenated atmosphere: It may cause asphyxiation.

Symptoms can include loose of motility and/or consciousness.

Victims cannot realize asphyxiation.

Move the victims in a non-contaminated area using a breathing apparatus.

Ice and liquid spouts can cause frostbite.
In case of eyes and skin contact: rinse immediately with water for at least 15 minutes.

In any case contact a physician.

Contact points

For any additional information or communications, please contact the the manufacturer at the address herein reported or your local distributor.

CE
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SOL S.p.A.
via Borgazzi 27
20900 Monza, Italy

Lin cryomanagement®

Liquid Nitrogen for cryopreservation
Medical device

EN-MD_CMB_P_2015-06

On Tap Product

UK

Instruction for use

Composition

Liquid Nitrogen for cryopreservation is a liquefied and refrigerated gas conforming with the following specification:

Assay	N_2	≥ 99,5 %
Impurities	CO_2	≤ 300 ppm (V/V)
	CO	≤ 5 ppm (V/V)
	O_2	≤ 50 ppm (V/V)
	H_2O	≤ 10 ppm (V/V)

Destination of use

The device LIN CRYOMANAGEMENT is used for cryopreservation of Cells, tissues, organs, whole blood, gametes, DNA.

Available Configurations

The product is delivered on tap (loose) from a pressurized vessel to a receiving vessel which can be either a pressurized one or a not pressurized one.

In this case the responsibility of the receiving vessel conditions (suitability, safety and cleaning) is of the customer. The manufacturer's responsibility ends at the transfer hose.

Recommendations for use

The use of the device for cryopreservation techniques is restricted to specialized staff.

Due to the natural evaporation of the product a continuous monitoring of the temperature, inside the sample storage container, close to the stored biological material, is strongly suggested. When this is not possible verify periodically the temperature or the liquid nitrogen presence. The working duration indicated by the manufacturer of the sample storage container is only indicative.

A secondary containment of the sample might be useful especially if it is stored in direct contact with liquid nitrogen.

Use of Sealed bags, cryovials with screw cap and straws is recommended.

Quarantine potentially contaminated samples.

As far as possible contaminated samples should be stored separately by pathogenic agent;

Good Laboratory Practices for preparation, cryopreservation and thawing of biological material should be applied.

Precaution for use

Only experienced and properly trained personnel should manage liquid nitrogen during pouring operations.

Check the compatibility of materials for use in contact with liquid nitrogen.

Check the compatibility of materials, used to store samples: ensure that containers, blood bags, straws and screw capped vials used for cryopreservation are guaranteed to withstand temperatures generated by liquid nitrogen.

Strictly follow instruction given by manufacturers of each cryopreservation device.

Check the cleaning condition of the valve connections before every use.

Internal cleanliness condition of not pressurized dewars is user's responsibility.

Connect hoses suitable for cryogenic liquids before opening the valves. Do not use any intermediate connection if the hose is not designed to be connected with the vessel valves.

Purge the hose with the gas phase before pouring the product.

Do not try to force valve connections.

Never try to alter or repair by yourself the vessel, including valve connections. Please contact the relevant technical service when needed.

Open the valves slowly and progressively.

Use only casters or carts designed for the transport of dewars, and compatible with their dimensions and weight.

Verify that the dewar is completely made of non – magnetic material, caster included, before moving it nearby an intense magnetic field (e.g. NMR).

Precaution for storage

Keep the lid closed when the not pressurizes dewar is empty.

Protect the hose ends against pollution, when not in use.

The prolonged exposition to high temperatures increases the natural evaporation of the gas.

The date indicated as EXP is the shelf life: the time available for the distributor to deliver the product. An expiry date cannot be defined: it depends on the receiving dewar design, the individual pattern of use and the surrounding environmental conditions.

The EXP date is assigned to the delivering pressurized vessel.

EXP date may be found on either on the accompaining docuements or on the batch (lot) label.

General Safety information

The vessel contains liquid at low temperatures (-196°C).

Use appropriate personal protective equipments.

Read the material safety data sheet.

Specific risks and potential side effects

In a confined environment high evaporation rates may cause under-oxygenated atmosphere: It may cause asphyxiation.

Symptoms can include loose of motility and/or consciousness.

Victims cannot realize asphyxiation.

Move the victims in a non-contaminated area using a breathing apparatus.

Ice and liquid spouts can cause frostbite.
In case of eyes and skin contact: rinse immediately with water for at least 15 minutes.

In any case contact a physician.

Contact points

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