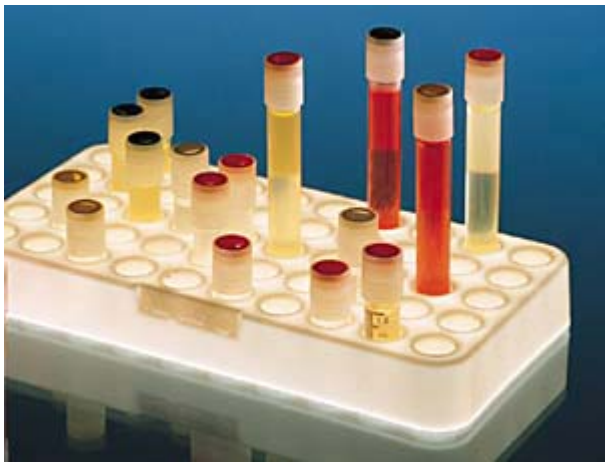
Nalgene Cryoware

Your samples are valuable! Protect them safely and economically with the Nalgene Cryoware system. Long skirted externally threaded Cryogenic Vials facilitate sterile techniques. Closure colour coders help identify and organise vials. SYSTEM 100 Cryogenic Vials, and SYSTEM 100 10x10 CryoBoxes save you money and freezer space by increasing volume by 23% over 81-place boxes. Our Cryogenic vial holders interlock with the base of the vial, allowing easy single-handed operation.

Nalgene Cryoboxes are made of tough poly-carbonate and feature clear, gridded covers for easy inventory of contents. Our CryoBox racks feature innovative separate retainers for easy retrieval of the box you want.

The unique Nalgene 'Mr.Frosty' freezing container provides the critical rate of cooling you need for successful cell cryopreservation and recovery. LabTop Coolers keep PCR reagents, enzymes and other biological samples cold on the bench top for hours and protect your samples from room temperature fluctuations in the freezer. Our redesigned Dewar Flasks have a new keyed top and hand grip for easy handling. We have also CryoCanes, colour coders, and low temperature labels and pens to help keep you organised.



Wessington Cryogenics Limited
Philadelphia Complex, Houghton-le-Spring,
Tyne & Wear, DH4 4UG, ENGLAND
Telephone +44 (0) 191 512 0677 Fax: +44 (0) 191 512 0745
www.WessingtonCryogenics.co.uk

Boxes, Holders & Racks

5025, 5026, 5027 CryoBoxes™

Materials: white polycarbonate
For ultra-low temperature storage of both internally-and externally-threaded 1.2-, 2.0- and 5.0-ml cryogenic vials. Durable, economical alternatives to flimsy cardboard. Usable temperature range of -196°C to +121°C. Transparent lids have printed grid for inventory purposes, permit viewing of contents and are keyed to prevent misalignment. Boxes accept writing with markers designed for ultra-low temperatures, such as NALGENE Cryoware markers, Cat. No. 6313Unique 5 x 5 arrayFor 1.2-/2.0-ml cryogenic vials. Creates small, space-efficient storage system within a large mechanical freezer. Useful as sturdy, reusable mailers for vials.

Cat. No. 5025	-0505	-0909	-0909
Array	5 x 5	9 x 9	9 x 9
Accommodate vial size, ml	1.2 and 2.0	1.2 and 2.0	5.0
L x W x H, mm	76 x 76 x 51	133 x 133 x 51	133 x 133 x 95
L x W x H, in.	3 x 3 x 2	5-1/4 x 5-1/4 x 2	5-1/4 x 5-1/4 x 3-3/4

5015 CryoCanes™

Materials: aluminium
Cat. No. 5015-0001 holds five vials. Cat. No. 5015-0002 holds six vials. Identify canes with CryoCane coders (Cat. No. 5020). NALGENE CryoSleeves (Cat. No. 5016) protect canes and vials during handling and storage

Cat. No. 5015	-0001	-0002
For use with NALGENE	1.0, 1.2, 1.5	1.0, 1.2, 1.5
cryogenic vials, cap., ml	and 2.0	2.0 and 5.0
Length, mm; in.	290; 11-5/16	300; 11-13/16

5030 Cryogenic Vial Holder

Materials: white polycarbonate
Allows single-handed vial manipulation. Bottom of each well interlocks with base of vial. Accommodates up to 50 vials in a 5 x 10 array. Accepts all NALGENE cryogenic vials except Cat. No. 5005-0015.

Cat. No. 5030	-0510
L x W x H, mm; in.	197 x 102 x 28; 7-7/8 x 4-1/8 x 1

5016 CryoSleeve™

Materials: polyvinyl chloride
Clear plastic sleeve encloses a NALGENE CryoCane for extra security during handling and storage. Direct replacement for cardboard sleeve. Allows quick location of empty spaces in the cane and easy identification of a particular vial or vials without removing the sleeve. Will not become brittle while frozen

Cat. No. 5016	-0001
Length, mm; in.	273; 10-13/16

5038 Horizontal CryoBox Racks

Materials: stainless steel
Horizontal racks fit most upright freezer compartments. Handles at both ends for freezers with right- or left-hand doors

Cat. No. 5038	-4322	-4422
No. of shelves	12	16
Array	4 x 3	4 x 4
Accommodate NALGENE CryoBox. Cat. Nos.	5026-0909 5026-1010 5050-0001* 5055-5002* 5055-5005* 5055-5015*	5026-0909 5026-1010 5050-0001 5055-5002 5055-5005 5055-5015
H x W x D, cm	22.5 x 14.3 x 44.4	22.5 x 14.3 x 59.0
H x W x D, in.	8-7/8 x 5-5/8 x 17-1/2	8-7/8 x 5-5/8 x 23-1/4

*Not for use in liquid-phase LN~2.

5055 Microcentrifuge Tube Boxes

Materials: polycarbonate
Provide storage of microcentrifuge tubes from -150°C to +121°C (not for use in liquid-phase liquid nitrogen). Transparent lid has printed grid for inventory purposes, permits viewing of contents, and is keyed in one position to prevent misalignment. Lid accepts writing with marker for box and tube identification.

Cat. No. 5055	-5002	-5005	-5015
L x W x H, mm	133 x 133 x 51	133 x 133 x 51	133 x 133 x 51
L x W x H, in	5-1/4 x 5-1/4 x 2	5-1/4 x 5-1/4 x 2	5-1/4 x 5-1/4 x 2
Tube size, ml	0.2	0.5	1.5
Box cap. (tubes)	81	81	64

5050 Storage Box

Materials: polycarbonate
Sturdy box with transparent lid for storage of various sizes of vials, bottles and bags in storage areas, refrigerators and mechanical freezers (-196°C to +121°C). Be sure to verify the temperature resistance of any stored material.

Cat. No. 5050	-0001
L x W x H, mm; in.	133 x 133 x 51; 5-1/4 x 5-1/4 x 2

5026 SYSTEM 100 CryoBox

Materials: polycarbonate
Designed for ultralow temperature storage of one hundred SYSTEM 100 cryogenic vials (Cat. Nos. 5000-1012, -1020) or other similar size, externally-threaded vials and most internally-threaded vials. Increases freezer storage capacity by 23 percent over boxes that hold 81 vials. Usable temperature range of -196°C to +121°C. Transparent lid has printed grid for inventory purposes, permits viewing of contents and is keyed to prevent misalignment.

Cat. No. 5026	-1010
Array	10 x 10
L x W x H, mm; in.	133 x 133 x 52; 5-1/4 x 5-1/4 x 2-1/16

CAUTION: Do not centrifuge these cryogenic vials above 8000 x g. Centrifugation of these vials above the recommended force will cause tube failure and possible sample loss. Balance the vials in the rotor properly. Check for proper fit in the rotor. Make a test run with water at designated speed to assure performanceNALGENE cryogenic vials are for laboratory use only, not for in vitro diagnosis or parenterals

5030 SYSTEM 100 Cryogenic Vial Holder

Materials: polycarbonate
Allows single-handed vial manipulation. Bottom of each well interlocks with base of vial. Spacing around each hole is greater than in Cat. No. 5030-0510 to grasp vials easily. Holes are staggered for viewing vial contents. Accepts all NALGENE cryogenic vials, except Cat. No. 5005-0015.

Cat. No. 5030	-0505
L x W x H, mm; in	197 x 102 x 22; 7-3/4 x 4 x 7/8
No. of cryogenic vials held	25

NALGENE cryogenic vials are for laboratory use only, not for in vitro diagnosis or parenteralsWARNINGDo not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquified nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures as outlined in the NNI Cryopreservation Manual (Pub. No. 10096) when handling and disposing of vials

5036 Vertical CryoBox Rack

Materials: stainless steel
Innovative retainers hold each box securely but separately. Allow fast retrieval of one box and immediate return to rack.
Vertical Racks

Cat. No. 5036	-0004	-0009
No. of shelves	4	9
Accommodate NALGENE CryoBox Cat. Nos.	5050-0001*, 5055-5002* 5055-5005*, 5055-5015* 5026-0909, 5026-1010	5050-0001*, 5055-5002 5055-5005*, 5055-5015 5026-0909, 5026-1010
W x D x H, cm	14 x 14.3 x 22.5	14 x 14 x 50.2
W x D x H, in.	5-1/2 x 5-5/8 x 8-3/4	5-1/2 x 5-5/8 x 19-3/4

*Not for use in liquid-phase LN~2.

DS5035 Vertical CryoBox Racks

Materials: stainless steel
Unique size rack to hold 5025-0505 CryoBoxes. Innovative retainers to hold each box securely but separately. Allow fast retrieval of one box and immediate return to rack.
Vertical Racks

Cat. No. DS5035	-0004	-0009
No. of shelves	4	9
Accommodate NALGENE CryoBox Cat. Nos	5025-0505	5025-0505
W x D x H, cm	8.3 x 8.4 x 22.5	8.3 x 8.4 x 50.2
W x D x H, in.	3-1/4 x 3-3/8 x 8-3/4	3-1/4 x 3-3/8 x 19-3/4

DS5037 Vertical CryoBox Rack

Materials: stainless steel
Innovative retainers to hold each box securely but separately. Allow fast retrieval of one box and immediate return to rack. Also hold Mr. Frosty, Cat. No. 5100-0001.
Vertical Racks

Cat. No. DS5037	-0002	-0004	-0007
No. of shelves	2	4	7
Accommodate NALGENE CryoBox Cat. Nos	5027-0909	5027-0909	5027-0909
W x D x H, cm	14 x 14.3 x 20.6	14 x 14.3 x 40.6	14 x 14.3 x 70.5
W x D x H, in.	5-1/2 x 5-5/8 x 8-1/4	5-1/2 x 5-5/8 x 16	5-1/2 x 5-5/8 x 27-3/4

Coolers & Dewars

5115 -20°C Labtop Coolers

Materials: blue polycarbonate lower section filled with a non-toxic gel
gel-filled white or non-filled clear polycarbonate lid with handle

-0032 will maintain a temperature below -15°C for up to 2 hours; -0012 will maintain temperature for up to 1 hour. Coolers accommodate 0.5- to 2.0-ml microcentrifuge tubes and cryogenic vials. Sixteen inserts included convert 1.5-ml holes to accept 0.5-ml tubes

Cat. No. 5115	-0012	-0032
Lid type/color	non-filled/clear	gel-filled/white
Tube Array	3 x 4	4 x 8
L x W x H, mm	151 x 108 x 125	243 x 157 x 146
L x W x H, in.	5-5/16 x 4-1/4 x 4-15/16	9-9/16 x 6-3/16 x 5-3/4
Weight, lb.; kg	1-1/2; 0.68	4-1/2; 2.04

DS5116 0°C Labtop Coolers

Materials: green polycarbonate lower section filled with a non-toxic gel
gel-filled white or non-filled clear polycarbonate lid with handle

0°C coolers replace messy ice baths. -0032 will maintain a temperature below 1°C for up to 5 hours; -0012 will maintain temperature for up to 3-1/2 hours. Both are supplied with sixteen inserts to convert 1.5-ml holes to accept 0.5-ml microcentrifuge tubes. Both -1300 and -1600 will maintain temperature for up to 5 hours. Excellent for transporting samples in Vacutainers* in hospitals and clinics. Coolers accommodate tube height up to 125 mm when lid is latched. DS5116-0012 and -0032 accommodate 0.5- to 2.0-ml microcentrifuge tubes; cryogenic vials. 5116-1300 accommodates 12-13 mm diameter tubes. 5116-1600 accommodates 16-17 mm diameter tubes

Cat. No. DS5116	-0012	-0032	-1300	-1600
Lid type/color	non-filled/clear	gel-filled/white	non-filled/clear	non-filled/clear
Tube array	3 x 4	4 x 8	3 x 4	3 x 4
L x W x H, mm	151 x 108 x 125	243 x 157 x 146	197 x 140 x 190	197 x 140 x 190
L x W x H, in.	5-5/16 x 4-1/4 x 4-15/16	9-9/16 x 6-3/16 x 5-3/4	7-3/4 x 5-1/2 x 7-1/2	7-3/4 x 5-1/2 x 7-1/2
Weight, lb.; kg	1-1/2; 0.68	4-1/2; 2.04	3-1/2; 1.59	3-1/2; 1.59

*Vacutainer is a registered trademark of Becton Dickinson.

5100 Cryo 1°C Freezing Container, "Mr. Frosty"

Materials: polycarbonate
blue high-density polyethylene closure
white high-density polyethylene vial holder
foam insert

Provides the critical, repeatable -1°C/minute cooling rate required for successful cell cryopreservation and recovery. Requires only 100% isopropyl alcohol and mechanical freezer. Labeled with graphic, step-by-step instructions. Holds up to 18 vials. Holder prevents vials from contacting alcohol--no contamination by wicking; no removal of labels or printing on vials. Containers with alcohol can be stored at room temperature, saving freezer space

Cat. No. 5100	-0001
Closure size, mm	120
H x Dia., mm; in.	86 x 117; 3-7/16 x 4-5/8
Use with NALGENE Cryogenic Vials	1.0, 1.2, 1.5 and 2.0 ml

4150 Dewar Flasks

Materials: high-density polyethylene
high-density polyethylene cover
polyethylene-coated handle

Shatterproof. For short-term storage of ice water, dry ice-solvent and liquid nitrogen. Chemical-resistant HDPE double walls are filled with CFC-free urethane foam and withstand temperatures from -196°C to +100°C. Vented, insulated cover. All sizes feature molded-in ribs for added safety when held. Built in spout for easy pouring. Finger grip on bottom for secure handling. Convenient bail-type handle on 1-, 2- and 4-liter sizes

Cat. No. 4150	-1000	-2000	-4000	-9000
Cap., liters	1	2	4	10
I.D. at mouth, mm; in.	95; 3-3/4	121; 4-3/4	146; 5-3/4	197; 7-3/4
Inside depth, mm; in.	194; 7-5/8	225; 8-7/8	287; 11-5/16	394; 15-1/2
Overall ht., mm; in.	229; 9	260; 10-1/4	324; 12-3/4	457; 18

DS5114 Quick Chill™ Unit

Materials: polycarbonate
non-toxic insulating solution, with handle

Rapidly and repeatedly chills biological samples for use in molecular biology applications such as ethanol precipitation of DNA/RNA samples. The Quick Chill unit can be used repeatedly for up to 45 minutes, eliminating the inconvenience of dry ice/alcohol baths. Durable polycarbonate and pre-filled with a non-toxic insulating solution. Holds 12 1.5- or 0.5-ml microcentrifuge tubes. There's no direct contact between the tubes and the insulating solution so labels and markings won't come off. Break-resistant, stackable design. Rubber feet keep the Quick Chill unit from sliding on the bench surfacePerformance with microcentrifuge tubesSample, volume Time* to reach -20°C (IPA**) or O°C (waterWater, 1.5 ml 3.2 minWater, 0.5 ml 4.0 minIPA, 1.5 ml 2.0 minIPA, 0.5 ml 2.8 min

Cat. No. DS5114	-0012
No. of inserts included	16
Tube array	3 x 4
L x W x H, mm	151 x 108 x 125
L x W x H, in.	5-5/16 x 4-1/4 x 4-15/16

Weight, lbs.; kg	1-1/2; 0.68

Cryoware Accessories

5020 CryoCane Coders

Materials: aluminium
Unique, colorful tabs keep track of your inventory of NALGENE CryoCanes. Identify a particular batch of vials or a specific technician's work. Remain firmly in place during storage in liquid-nitrogen freezers

Cat. No. 5020	-0000	-0002	-0003	-0004	-0005
Color	White	Yellow	Blue	Green	Red

5045 Cryogenic Vial Closure Color Coders

Materials: polystyrene
Plastic disks fit into top of NALGENE cryogenic vial closures (Cat. Nos. 5000-0012, -0020, -0050, -1012 and -1020). Provide quick visual identification of specific vials to simplify inventory maintenance

Cat. No. 5045	-0000	-0002	-0003	-0004	-0005
Color	White	Yellow	Blue	Green	Red

5040 Cryoware Labels

Specifically designed for use at ultra-low temperatures. Cloth labels adhere to plastic and cardboard cryogenic storage boxes. Will not peel or shrink. Accept ballpoint pen. Ten sheets of labels. Twenty labels per sheet

Cat. No. 5040	-0002
Label dim., mm	25 x 50
Label dim., in.	1 x 2

6313 Cryoware Marker Set

For marking cardboard and polycarbonate. Ink will not fade at ultra-low temperatures. Smudge-proof. Package consists of four extra-fine-point pens

Cat. No. 6313	-0010	-0020
Colors	1 ea., Red, Green, Blue, Black	Black Only

Vials

5011 Bulk-packed Non-sterile Cryogenic Vials

Materials: polypropylene
high-density polyethylene closure

Economical, non-sterile version of Cat. Nos. 5000-0012 and -0020 without printing or graduations. Closures and vials are packed separately. Do not autoclave. 1000/bag

Cat. No. 5011	-0012	-0020
Cap., ml	1.2	2.0
O.D., mm; in.	13.5; 1/2	13.5; 1/2
Height, mm; in.	38.1; 1-1/2	48.3; 1-7/8

NALGENE cryogenic vials are for laboratory use only, not for in vitro diagnosis or parenteralsWARNINGDo not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquified nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures as outlined in the NNI Cryopreservation Manual (Pub. No. 10096) when handling and disposing of vials

5012 Bulk-packed Sterile Cryogenic Vials

Materials: polypropylene
high-density polyethylene closure

Inexpensive version of Cat. Nos. 5000-0012 and -0020 with printing and graduations. Closures are assembled on vials. Radiation-sterilized. Non-cytotoxic and non-pyrogenic. 1000/bag.

Cat. No. 5012	-0012	-0020
Cap., ml	1.2	2.0
O.D., mm; in.	13.5; 1/2	13.5; 1/2
Height, mm; in.	38.1; 1-1/2	48.3; 1-7/8

NALGENE cryogenic vials are for laboratory use only, not for in vitro diagnosis or parenteralsWARNINGDo not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquified nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures as outlined in the NNI Cryopreservation Manual (Pub. No. 10096) when handling and disposing of vials

5005 Specimen Cryogenic Vial with Screw Closure

Materials: polypropylene
high-density polyethylene closure

Designed for storage of solid specimens. For use in mechanical freezers only. Wide-mouth, shoulderless vial allows easy access to sample with forceps. Linerless closure. Certified non-cytotoxic and non-pyrogenic.

Cat. No. 5005	-0015
Cap., ml	15
O.D., mm; in.	33; 1-5/16
Height w/closure, mm; in.	47; 1-13/16

5000 Sterile Cryogenic Vials

Materials: polypropylene
high-density polyethylene closure

Externally-threaded vial for aseptic technique. Basic design is similar to linerless closures used on NALGENE bottles and carboys--a sealing ring in conjunction with specially designed threads. White marking area, fill line and graduations printed on vial. Radiation-sterilized, non-cytotoxic and non-pyrogenic. Self-standing. 25/bag. (Cat. No. 5000-0050 packed 10/bag.)

Cat. No. 5000	-0012	-0020	-0050
Cap., ml	1.2	2.0	5.0
O.D., mm; in.	13.5; 1/2	13.5; 1/2	13.5; 1/2
Height, mm; in.	38.1; 1-1/2	48.3; 1-7/8	92; 3-1/2

NALGENE cryogenic vials are for laboratory use only, not for in vitro diagnosis or parenteralsWARNINGDo not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquified nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures as outlined in the NNI Cryopreservation Manual (Pub. No. 10096) when handling and disposing of vials

5000 SYSTEM 100 Cryogenic Vials

Materials: polypropylene
polypropylene closure
silicone gasket

Innovative vials increase storage capacity in mechanical and vapor-phase (LN2) freezers. Gasketed closure ensures leakproof performance in a microcentrifuge (up to 8000 x g) and during shipment. Externally threaded vials for aseptic technique. White marking area, graduations and fill line printed on vials. Radiation sterilized. Non-cytotoxic and non-pyrogenic. Self-standing. Packaged 25/bag.

Cat. No. 5000	-1012	-1020
Cap., ml	1.0	1.5
O.D., mm; in.	12; 15/32	12; 15/32
Ht., mm; in.	38; 1-1/2	48; 1-7/8

CAUTION: Do not centrifuge these cryogenic vials above 8000 x g. Centrifugation of these vials above the recommended force will cause tube failure and possible sample loss. Balance the vials in the rotor properly. Check for proper fit in the rotor. Make a test run with water at designated speed to assure performanceNALGENE cryogenic vials are for laboratory use only, not for in vitro diagnosis or parenterals

Wessington Cryogenics Limited
Philadelphia Complex, Houghton-le-Spring,
Tyne & Wear, DH4 4UG, ENGLAND
Telephone +44 (0) 191 512 0677 Fax: +44 (0) 191 512 0745