VWR®
We Enable Science

VWR® ULTRA-LOW TEMPERATURE FREEZERS

Upright and Chest Configurations

Information Center for Simplified Control and Monitoring

Two-year Parts and Labor Warranty Plus Three Additional Years Compressor Warranty

VWR® ULT Freezers

- Our -80°C and -40°C upright freezers have been designed for ease-of-use, as well as for dependable sample protection.
- Choose from four -80°C models with the capacity to store as little as 240 or up to 600 2" cryoboxes
- Our -40°C models are available in a 240-box or a 320-box capacity configuration
- All upright freezers feature a convenient, eye-level control and monitoring system
- Factory-installed options include CO_2 or LN_2 back-up systems for additional sample protection in the event of a power or mechanical failure
- Other factory-installed options include an ink or inkless chart recorder and PT100 sensor for building automated systems
- Extended warranties are available

Factory-installed options:

- CO_2 back-up system
- LN_2 back-up system
- Chart recorder (ink or inkless)
- PT100 sensor (-86°C models)

Designed for Sample Protection and Ease-of-Use

5" foamed-in-place, polyurethane insulation

Painted galvannealed steel interiors

Sturdy, stainless steel shelving

Gaskets maximize cabinet temperature and work to eliminate frost build-up

1" Access port for the use of probes

Heavy gauge, cold-rolled steel cabinet construction with a powder coat paint finish, resisting chipping and rust

Vacuum relief port permits easy access after door opening

Single-hand operation with ergonomic, padlock-compatible door handle featuring an integrated key lock

Four inner doors reduce cold air loss and improve temperature recovery after door openings

Easy-to-remove washable filter provides protection against dust on the condenser, increasing refrigeration performance

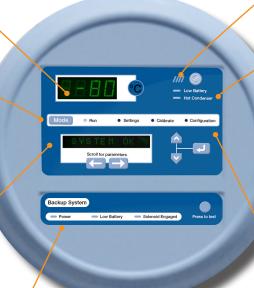2" locking casters for easy to roll installation

Eye Level Information Center for Simplified Operation

Bright, easy-to-read temperature display shows actual and (optional) sample probe temperatures

Mode selector

Message center: 12-character, alphanumeric LED displays setpoints, "SYSTEM OK" during normal operation and other messages

Optional factory-installed CO_2 or LN_2 back-up system provide additional sample protection in the event of a power or mechanical failure

Audible and visual alarm

Low battery and hot condenser indicators

Settings: Set cabinet temperature setpoint, over- and under-temperature alarm, plus (optional) back-up system temperature setpoint

Calibrate: Calibrate the control probe temperature and (optional) sample probe temperature

Configuration: Configure the access code, serial output, temperature alarm test and system battery test

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VWR **CATALYST**
We Enable Science Through Services
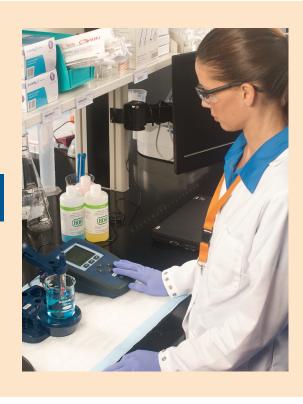
Equipment and Instrument Services

VWRCATALYST helps you simplify equipment and instrument services, in and around the laboratory. Our team specializes in providing a quick and targeted response to your needs. We also offer consultative and customized solutions. This enables you to improve efficiency by keeping your equipment in compliance, as well as optimize your equipment investment budget.

With our network of ISO 9001 / IEC17025 accredited service providers, **VWR**CATALYST can be your single point of contact for all equipment and instrument service needs.

We are focused on helping you in the following areas:

• Calibration
• Qualification & Validation
• Preventative Maintenance
• Certification
• Temperature Mapping
• Warranty Management

To learn about our Equipment and Instrument Services, call **1.888.793.2300** or e-mail **vwrcatalyst@vwr.com**.

Specifications and Ordering Information

VWR® Upright Freezers (-50°C to -86°C)

Capacity, L (cu. ft.)	2" CryoBoxes	Electrical	Amps/Breaker (Plug)	Max. Shelf Weight, kg (lbs.)	Interior Dimensions, H x D x W, cm (in.)	Exterior Dimensions*, H x D x W, cm (in.)	Shipping Weight, kg (lbs.)	Cat. No.
(368) 13.0	240	120V / 60Hz	16/ 20 (NEMA 5-20)	45.4 (100)	130.8 x 49.2 x 57.2 (51 $\frac{1}{2}$ x 19 $\frac{3}{8}$ x 22 $\frac{1}{2}$)	197.8 x 83.4 x 84.5 (77 $\frac{15}{16}$ x 32 $\frac{15}{16}$ x 33 $\frac{3}{8}$)	316 (696)	**10160-724**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)					**10160-726**
(490) 17.3	320	120V / 60Hz	16/ 20 (NEMA 5-20)	45.4 (100)	130.8 x 64.5 x 57.2 (51 $\frac{1}{2}$ x 25 $\frac{3}{8}$ x 22 $\frac{1}{2}$)	197.8 x 98.8 x 84.5 (77 $\frac{15}{16}$ x 38 $\frac{15}{16}$ x 33 $\frac{3}{8}$)	361 (795)	**10160-728**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)					**10160-730**
(651) 23.0	400	120V / 60Hz	16/ 20 (NEMA 5-20)	45.4 (100)	130.8 x 64.5 x 76.2 (51 $\frac{1}{2}$ x 25 $\frac{3}{8}$ x 30)	197.8 x 98.8 x 103.5 (77 $\frac{15}{16}$ x 38 $\frac{15}{16}$ x 40 $\frac{7}{8}$)	381 (839)	**10160-732**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)					**10160-734**
(793) 28.0	600	208-230V / 60 Hz	12/ 15 (NEMA 6-15)	45.4 (100)	130.8 x 67.3 x 91.4 (51 $\frac{1}{2}$ x 26 $\frac{1}{2}$ x 36)	197.8 x 98.7 x 118.7 (77 $\frac{15}{16}$ x 38 $\frac{15}{16}$ x 46 $\frac{7}{8}$)	494 (1060)	**10160-736**

*Exterior dimensions do not include hinges and handles, or unit spacing required for proper airflow.

240 Box Capacity   320 Box Capacity   400 Box Capacity   600 Box Capacity

VWR® Upright Freezers (-10°C to -40°C)

Capacity, L (cu. ft.)	2" CryoBoxes	Electrical	Amps/Breaker (Plug)	Max. Shelf Weight, kg (lbs.)	Interior Dimensions, H x D x W, cm (in.)	Exterior Dimensions*, H x D x W, cm (in.)	Shipping Weight, kg (lbs.)	Cat. No.
368 (13.0)	240	120V / 60Hz	16/ 20 (NEMA 5-20)	45.4 (100)	130.8 x 49.2 x 57.2 (51 $\frac{1}{2}$ x 19 $\frac{3}{8}$ x 22 $\frac{1}{2}$)	197.8 x 83.4 x 84.5 (77 $\frac{15}{16}$ x 32 $\frac{15}{16}$ x 33 $\frac{3}{8}$)	316 (696)	**10160-748**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)					**10160-750**
490 (17.3)	320	120V / 60Hz	16/ 20 (NEMA 5-20)	45.4 (100)	130.8 x 64.5 x 57.2 (51 $\frac{1}{2}$ x 25 $\frac{3}{8}$ x 22 $\frac{1}{2}$)	197.8 x 98.8 x 84.5 (77 $\frac{15}{16}$ x 38 $\frac{15}{16}$ x 33 $\frac{3}{8}$)	361 (795)	**10160-752**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)					**10160-754**

*Exterior dimensions do not include hinges and handles, or unit spacing required for proper airflow.

Maximize the Interior of your Upright Freezer with VWR® Racking Solutions

VWR® Upright Freezer Racks for 2" Boxes

Description	Dimensions W x D x H in. (cm)	Storage	For 13 cu. ft.	For 17 cu. ft.	For 23 cu. ft.	For 28 cu. ft.	Cat. No.
Sliding drawer rack	14 x 30.2 x 42.2 (5 1/2 x 11 15/16 x 16 5/8)	Boxes per rack	15				89200-168
		Racks per shelf	4				
		Racks per freezer	16				
		Boxes per freezer	240				
Sliding drawer rack	14 x 30.2 x 55.9 (5 1/2 x 11 15/16 x 22)	Boxes per rack		20	20		89200-176
		Racks per shelf		4	5		
		Racks per freezer		16	20		
		Boxes per freezer		320	400		
Sliding drawer rack	14 x 30.2 x 66.8 (5 1/2 x 11 15/16 x 26 3/8)	Boxes per rack				25	89239-456
		Racks per shelf				6	
		Racks per freezer				24	
		Boxes per freezer				600	
Adjustable side access rack	13.7 x 29.5 x 41.9 (5 3/8 x 11 5/8 x 16 1/2)	Boxes per rack	15				89200-172
		Racks per shelf	4				
		Racks per freezer	16				
		Boxes per freezer	240				
Adjustable side access rack	13.7 x 29.5 x 59.5 (5 3/8 x 11 5/8 x 22)	Boxes per rack		20	20		89200-180
		Racks per shelf		4	5		
		Racks per freezer		16	20		
		Boxes per freezer		320	400		

Side access racks

Sliding drawer racks

VWR® Upright Freezer Racks for 3" Boxes

Description	Dimensions W x D x H in. (cm)	Storage	For 13 cu. ft.	For 17 cu. ft.	For 23 cu. ft.	For 28 cu. ft.	Cat. No.
Sliding drawer rack	14 x 30.2 x 42.2 (5 1/2 x 11 15/16 x 16 5/8)	Boxes per rack	9				89200-170
		Racks per shelf	4				
		Racks per freezer	16				
		Boxes per freezer	144				
Sliding drawer rack	14 x 30.2 x 55.9 (5 1/2 x 11 15/16 x 22)	Boxes per rack		12	12		14230-214
		Racks per shelf		4	5		
		Racks per freezer		16	20		
		Boxes per freezer		192	240		
Sliding drawer rack	14 x 30.2 x 66.8 (5 1/2 x 11 15/16 x 26 3/8)	Boxes per rack				15	89200-186
		Racks per shelf				6	
		Racks per freezer				24	
		Boxes per freezer				360	
Adjustable side access rack	13.7 x 29.5 x 41.9 (5 3/8 x 11 5/8 x 16 1/2)	Boxes per rack	9				89200-174
		Racks per shelf	4				
		Racks per freezer	16				
		Boxes per freezer	144				
Adjustable side access rack	13.7 x 29.5 x 59.5 (5 3/8 x 11 5/8 x 22)	Boxes per rack		12	20		89200-182
		Racks per shelf		4	5		
		Racks per freezer		16	20		
		Boxes per freezer		192	400		

VWR® Upright Freezer Racks for Microplates

Description	Dimensions W x D x H in. (cm)	Storage	For 13 cu. ft.	For 17 cu. ft.	For 23 cu. ft.	For 28 cu. ft.	Cat. No.
Sliding access rack for deepwell plates	14 x 30.2 x 55.9 (5 1/2 x 11 15/16 x 22)	Boxes per rack		36	36		89200-188
		Racks per shelf		4	5		
		Racks per freezer		16	20		
		Boxes per freezer		576	720		

VWR® Chest Freezers

Our -80°C chest freezers feature all the sample protection features found in our upright models.

- Choose from three capacities with the capacity to store as little as 63 or up to 396 2" cryoboxes
- All chest freezers feature a convenient information center control and monitoring system
- Polystyrene interior sub-lids reduce cold air loss and improve temperature recovery after door openings
- Factory-installed options include CO_2 or LN_2 back-up systems for additional sample protection in the event of a power or mechanical failure
- Other factory-installed options include an ink or inkless chart recorder and PT100 sensor for building automation systems
- Chest freezers have stainless steel interiors

396 Box Capacity

VWR® Chest Freezers (-50°C to -86°C)

Capacity, L (cu. ft.)	2" cryoboxes	Electrical	Amps/Breaker (Plug)	Interior Dimensions, H x D x W, cm (in.)	Exterior Dimensions*, H x D x W, cm (in.)	Shipping Weight, kg (lbs.)	Cat. No.
85 (3.0)	63	115V / 60 Hz	11.5/ 15 (NEMA 5-15)	41.9 x 47.0 x 47.0 (16 1/2 x 18 1/2 x 18 1/2)	111.3 x 82.0 x 72.9 (43 7/8 x 32 3/8 x 28 3/4)	196 (432)	**10160-738**
360 (12.7)	252	115V / 60 Hz	16/ 20 (NEMA 5-15)	70.6 x 47.0 x 107.7 (27 7/8 x 18 1/2 x 42 3/8)	103.1 x 84.8 x 182.9 (40 5/8 x 33 3/8 x 72)	325 (716)	**10160-740**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)				**10160-742**
566 (20.0)	396	115V / 60Hz	16/ 20 (NEMA 5-15)	70.6 x 47.0 x 168.7 (27 7/8 x 18 1/2 x 66 3/8)	103.1 x 84.8 x 243.8 (40 7/8 x 33 3/8 x 96)	378 (833)	**10160-744**
		208-230V / 60 Hz	12/ 15 (NEMA 6-15)				**10160-746**

*Exterior dimensions do not include hinges and handles, or unit spacing required for proper airflow.

VWR® Chest Freezer Racks

Description	Dimensions W x D x H in. (cm)	Storage	For 3 cu. ft.	For 12 cu. ft.	For 20 cu. ft.	Cat. No.
2" box rack with locking rod	14 x 14 x 38.6 ($5^1/_2$ x $5^1/_2$ x $15^1/_4$)	Boxes per rack	7			89200-202
		Racks per freezer	9			
		Boxes per freezer	63			
2" box rack with locking rod	14 x 14.2 x 67.3 ($5^5/_8$ x $5^5/_8$ x $26^1/_2$)	Boxes per rack		12	12	89200-206
		Racks per freezer		21	33	
		Boxes per freezer		252	396	
3" box rack	14 x 14 x 40.6 ($5^1/_2$ x $5^1/_2$ x 16)	Boxes per rack	5			89200-204
		Racks per freezer	9			
		Boxes per freezer	45			
3" box rack	14 x 14 x 67.3 ($5^1/_2$ x $5^1/_2$ x $26^1/_2$)	Boxes per rack		8	8	89200-208
		Racks per freezer		21	33	
		Boxes per freezer		168	264	
Microplate rack	13.5 x 8.9 x 66.5 ($5^3/_8$ x $3^1/_2$ x $25^7/_8$)	Plates per rack		27	27	89200-210
		Plates per freezer		33	51	
		Plates per freezer		891	1377	

63 box capacity

VWR® ULT Freezer Options and Accessories

VWR® ULT Freezer Options (Field-Installed Must be Installed by a Qualified Professional)

Description	Installation Option	-86°C Upright	-40°C Upright	3 cu. ft. Chest	Other Chest Models
LN_2 Backup System Maintains temperature down to -80°C with liquid nitrogen	Factory Installed	10185-058	10185-058	10185-058	10185-058
	Field Installed	10185-062	10185-062	10185-062	10185-062
CO_2 Backup System Maintains temperature down to -70°C with CO_2	Factory Installed	10185-056	10185-056	10185-056	10185-056
	Field Installed	10185-060	10185-060	10185-060	10185-060
Chart Recorder (Inkless) Seven day inkless recorder, to -150°C. Includes box of chart paper (qty. 50)	Factory Installed	10185-070	10185-070	10185-078	10185-078
	Field Installed	10185-068	10185-068	10185-076	10185-076
Chart Recorder (Ink) Seven day Ink recorder, to -150°C. Includes one red felt tip pen and box of chart paper (qty. 50)	Factory Installed	10185-066	10185-066	10185-074	10185-074
	Field Installed	10185-064	10185-064	10185-072	10185-072
PT100 Sensor For connection to automation systems	Factory Installed	89496-820			
RS-232, 0-1V	Factory Installed	89200-330	89200-330	89200-330	89200-330
RS-232, 0-5V	Factory Installed	89200-332	89200-332	89200-332	89200-332
RS-485, 4-20mA	Factory Installed	89200-334	89200-334	89200-334	89200-334
RS-485, 0-1V	Factory Installed	89200-336	89200-336	89200-336	89200-336
RS-485, 0-5V	Factory Installed	89200-338	89200-338	89200-338	89200-338

VWR® ULT Freezer Accessories

Description	-86°C upright	-40°C upright	3 cu. ft. chest	other chest models
Replacement Air Filter. Pack of Five Filters	89200-360	89200-360	89200-360	89200-360
Ink Chart Paper (Pack of 50)	25000-124	25000-124	25000-124	25000-124
Inkless Chart Paper (Pack of 50)	89205-692	89205-692	89205-692	89205-692
Replacement Back-Up Battery	89202-604	89202-604	89202-604	89202-604
Red Felt Tip Chart Pen	14231-832	14231-832	14231-832	14231-832
Blue Felt Tip Chart Pen	89200-320	89200-320	89200-320	89200-320
LN$_2$ Transfer Hose: Flexible 6' Metal Hose. 0.5: Diameter, 45° Flare with Swivel Ends	25000-116	25000-116	25000-116	25000-116
Wall Clamp CO$_2$ Cylinder Holder: For Securing Tank to the Wall in Accordance with OSHA Guidelines	89200-324	25000-112	25000-112	25000-112
High-pressure Liquid CO$_2$ Hose: Kink-Resistant, Stainless Steel Lined, Double-Braided Sheath. 316 Stainless Steel NPT F Fitting. Max. Working Pressure 25,000 psig. 6' Long	89200-326	89200-326	89200-326	89200-326
Shelf Kit: One Shelf and Clips for 13 cu. ft. Upright	10185-082	10185-082		
Shelf Kit: One Shelf and Clips for 17 cu. ft. Upright	10185-084	10185-084		
Shelf Kit: One Shelf and Clips for 23 cu. ft. Upright	10185-086			
Shelf Kit: One Shelf and Clips for 28 cu. ft. Upright	10185-088			
115V/20A Twist Lock Plug (US only)	89205-694	89205-694	89205-694	89205-694
230V/20A Twist Lock Plug	89205-696	89205-696	89205-696	89205-696

Ask your VWR® Sales Representative about an extended warranty*

Extended One-year Warranty: Valid only at Point of Sale US ONLY

Description	Unit	Cat. No.
-86°C upright, extended 1-year warranty (total 3-years parts and labor)	each	10196-232
-40°C upright, extended 1-year warranty (total 3-years parts and labor)	each	10196-236
-86°C chest, extended 1-year warranty (total 3-years parts and labor)	each	10196-228

This specific service is not available in Canada. Please contact your VWR Sales Representative to learn about easy access to similar options available in your region.

Extended Three-year Warranty: Valid only at Point of Sale US ONLY

Description	Unit	Cat. No.
-86°C upright, extended 3-year warranty (total 5-years parts and labor)	each	10196-234
-40°C upright, extended 3-year warranty (total 5-years parts and labor)	each	10196-238
-86°C chest, extended 3-year warranty (total 5-years parts and labor)	each	10196-230

This specific service is not available in Canada. Please contact your VWR Sales Representative to learn about easy access to similar options available in your region.

For additional information, please check out the VWR Refrigerator and Freezers brochure on vwr.com/literature.

VWR® CryoPro® Fiberboard Storage Boxes and Dividers

Liquid nitrogen (LN2) freezer boxes feature slots for safe LN2 drainage and reduced LN2 consumption. Mechanical freezer boxes do not feature slots and cannot be used with LN2. Boxes with dividers feature a lid printed with a numbered grid for superior inventory control. Boxes without dividers can accomodate dividers (sold separately) for 16 to 100 cells. Fiberboard dividers can fit in any 13.2Wx13.2Lcm ($5\frac{1}{5}$ x $5\frac{1}{5}$″) LN2 cryogenic or mechanical freezer box.

No. of Cells	Cell Dimensions, cm (in.)	LxWxH, cm (in.)	Unit	Cat. No.
Liquid Nitrogen Cryogenic Freezer Boxes with Drain Slots				
25	1.3 (0.53″)	7.4 x 7.4 x 5.2 ($2\frac{9}{10}$ x $2\frac{9}{10}$ x $2\frac{1}{20}$″)	Cs. of 204	**82007-160**
81	1.3 (0.53″)	13.2 x 13.2 x 5.1 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 2″)	Cs. of 120	**97014-322**
100	1.3 (0.5″)	13.2 x 13.2 x 5.1 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 2″)	Cs. of 120	**82007-158**
Mechanical Cryogenic Freezer Boxes with Dividers				
81	1.3 (0.53″) 13.2 x 13.2 x 5.1 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 2″)	13.2 x 13.2 x 5.1 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 2″)	Cs. of 120	**82007-162**
Mechanical Cryogenic Freezer Boxes without Dividers				
—	—	13.2 x 13.2 x 5.1 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 2″)	Pk.of 12	**82021-114**
—	—	13.2 x 13.2 x 5.1 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 2″)	Cs. of 120	**82007-142**
—	—	13.2 x 13.2 x 7.6 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 3″)	Pk. of 12	**82021-116**
—	—	13.2 x 13.2 x 7.6 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 3″)	Cs.of 120	**82007-144**
—	—	7.4 x 7.4 x 5.2 ($2\frac{9}{10}$ x $2\frac{9}{10}$ x $2\frac{1}{20}$″)	Cs.of 120	**89214-736**
—	—	13.2 x 13.2 x 10.2 ($5\frac{1}{5}$ x $5\frac{1}{5}$ x 4″)	Cs.of 120	**89214-738**
Fiberboard Dividers				
16	3.1 (1.2″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**82007-146**
16	3.1 (1.2″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Pk. of 12	**82021-118**
25 (Mini Box)	1.3 (0.53″)	6.7 x 6.7 x 3.2 ($2\frac{13}{20}$ x $2\frac{13}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**89214-740**
25	2.5 (1″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**82007-148**
25	2.5 (1″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Pk. of 12	**82021-120**
36	2.0 (0.8″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**89214-742**
49	1.7 (0.7″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**82007-150**
49	1.7 (0.7″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Pk. of 12	**82021-122**
64	1.5 (0.6″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**82007-152**
64	1.5 (0.6″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Pk. of 12	**82021-124**
81	1.3 (0.53″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**82007-154**
81	1.3 (0.53″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Pk. of 12	**82021-126**
100	1.3 (0.5″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**82007-156**
100	1.3 (0.5″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Pk. of 12	**82021-128**
144	1.0 (0.4″)	12.3 x 12.3 x 3.2 ($4\frac{17}{20}$ x $4\frac{17}{20}$ x $1\frac{1}{4}$″)	Cs. of 120	**89214-744**

For more information about CryoPro™ products, check out the VWR CryoPro Cryopreservation Equipment Brochure on vwr.com/literature.

VWR® Cryogenic Vials

- Internal or external threaded closure options available
- White marking area and printed graduations on all vials
- Sterilized by gamma radiation
- Certified RNase-, DNase-, Pyrogen- and DNA-free. CE marked.

Designed for storing biological material, human or animal cells at temperatures as low as -196°C, but should be used only in the gas phase of liquid nitrogen.

Vol. mL	Description	Case of	Cat. No.
Internal Threads with Silicone O-ring Seal			
1.2	Self-Standing	1000	**10018-736**
2	Round Bottom	1000	**10018-748**
2	Self-Standing	1000	**10018-758**
4	Round Bottom	1000	**10018-788**
4	Self-Standing	1000	**10018-822**
5	Round Bottom	1000	**10018-770**
5	Self-Standing	1000	**10018-778**
Internal Threads with Silicone Washer Seal			
1.2	Self-Standing	1000	**10018-738**
2	Round Bottom	1000	**10018-750**
2	Self-Standing	1000	**10018-760**
4	Round Bottom	1000	**10018-814**
4	Self-Standing	1000	**10018-824**
5	Round Bottom	1000	**10018-782**
5	Self-Standing	1000	**10018-780**
External Threads with Silicone Washer Seal			
1.2	Self-Standing	1000	**10018-734**
2	Round Bottom	1000	**10018-746**
2	Self-Standing	1000	**10018-756**
3	Self-Standing	1000	**10018-786**
4	Self-Standing	1000	**10018-820**
5	Self-Standing	1000	**10018-776**
5	Round Bottom	1000	**10018-768**
10	Self-Standing	500	**10018-740**
External Threads with Lip Seal			
1.2	Self-Standing	1000	**10018-732**
2	Round Bottom	1000	**10018-744**
2	Self-Standing	1000	**10018-754**
3	Self-Standing	1000	**10018-762**
4	Self-Standing	1000	**10018-816**
5	Round Bottom	1000	**10018-764**
5	Self-Standing	1000	**10018-772**
External Threads with Lip Seal and Silicone Washer Seal			
1.2	Self-Standing	1000	**10018-730**
2	Round Bottom	1000	**10018-742**
2	Self-Standing	1000	**10018-752**
3	Self-Standing	1000	**10018-784**
4	Self-Standing	1000	**10018-818**
5	Round Bottom	1000	**10018-766**
5	Self-Standing	1000	**10018-774**

SeraFree™ Cryopreservation Media

- Sterile and endotoxin tested
- Reduces potential for transmission of infectious agents
- Eliminates regulatory compliance requirements associated with use of animal products
- Cost effective

SeraFree™ Cryopreservation Media are ready-to-use freezing media for cryopreservation of adherent or suspension cultured cells. The animal-free RPMI- or DMEM-based media composition eliminates batch-to-batch variability and is optimized for cell viability and cell growth after thawing.

Description	Size	Unit	Cat. No.
Serafree™ Cryopreservation Media for DMEM	50 mL	Each	97063-278
Serafree™ Cryopreservation Media for RPMI	50 mL	Each	97064-276

Glycerol, Sterile, Biotechnology grade

- Cryoprotectant used in cell freezing

Description	Size	Unit	Cat. No.
Glycerol, Sterile, Biotechnology Grade	100 mL	Each	97062-832

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siRNA

Harvest

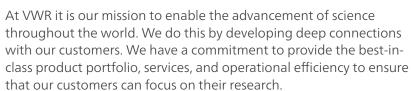Cell Scrapers
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