



Valuable Only Lifescience Only

Liquid Handling  
Plasticware



## VOLO Story

VOLO는 **하늘을 난다**는 뜻을 가진 라틴어 입니다.

바이오 기술이 인류의 삶과 문명에 기여할 것이라는 것,  
미래를 향해 비상할 것이라는 것에 대한 Vision을 담은 단어입니다.

바이오 연구자들의 연구에 도움이 되는 **우수한 제품과 솔루션**을 제공하기 위해 끊임 없이 노력하겠습니다.

VOLO means Flying in Latin words.

VOLO would like to be your trusted solution brand for your research.

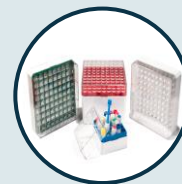
## VOLO Product

VOLO는 바이오 산업의 발전에 기여하기 위해 **합리적인 가격에 좋은 품질의** 제품을 제공하고 있습니다.

VOLO 제품의 생산 과정

각 제품별 우수한 생산공정을 보유한 국내 및 해외 공장을 선별합니다.

위와 같은 선정 과정을 거친 뒤에 **중간 유통과정을 생략하고** 직접 수입하여 **더 합리적인 가격에** 고객들이 이용할 수 있는 환경을 제공하고 있습니다.



VOLO PCR  
VOLO Sealing  
VOLOSeal Tube  
VOLO Deep Well  
VOLO Assemble  
VOLO Freeze Rack



Cryo Vial  
VOLOLock Tube

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## VOLO PCR Strip

- Angularly attached cap: Tube와 Cap의 연결 부위를 강화하여 주위 다른 cap, tube와의 간섭 제거
- Ultra thin wall: 0.25mm 두께의 tube wall을 통하여 효율적인 열 전달과 Crush 방지
- Certified free of Dnase, Rnase, DNA, and PCR inhibitors.
- Medical grade의 Polypropylene으로 제작하여 real time PCR 시 불필요한 Background signal을 제거

### VOLO Indi-H Strip

- Robust interwell linkages: 강화된 연결 부위를 통해 Strip Tube가 쉽게 휘어지던 문제 해결

### VOLO Indi-S Strip

- Customizable strips: 손쉬운 Tube 분리로 맞춤형 실험 가능

### VOLO One-shot Strip

- Hinged attached cap: 빠른 PCR 실험과 효율적인 Scale up 가능
- Optically clear cap을 통하여 real-time PCR 최적화

## Product List

### VOLO Indi-H Strip

Item	Volume	Description	Packaging
PP-101	0.2ml	Strips of 8 / flat cap / optically clear	120 strips / pack 10 packs / case
PP-102	0.1ml	Strips of 8 / flat cap / optically clear	120 strips / pack 10 packs / case



PP-101



PP-102

### VOLO Indi-S Strip

Item	Volume	Description	Packaging
PP-103	0.2ml	Strips of 8 / dome cap / clear	120 strips / pack 10 packs / case
PP-104	0.2ml	Strips of 8 / flat cap / optically clear	120 strips / pack 10 packs / case
PP-109	0.1ml	Strips of 8 / flat cap / optically clear	120 strips / pack 10 packs / case



PP-103



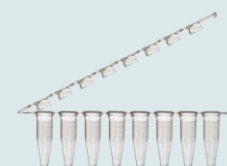
PP-104



PP-109

### VOLO one-shot Strip

Item	Volume	Description	Packaging
PP-105	0.2ml	Strips of 8 / flat cap / optically clear	120 strips / pack 10 packs / case



PP-105

## VOLO PCR Strip

### Product List

VOLO Strip Tubes with Caps			
Item	Volume	Description	Packaging
PP-106	0.2ml	Strips of 8 / flat cap / clear	120 strips / pack 10 packs / case
PP-107	0.2ml	Strips of 8 / dome cap / clear	120 strips / pack 10 packs / case
PP-110	0.1ml	Strips of 8 / flat cap / clear	120 strips / pack 10 packs / case
PP-111	0.2ml	Strips of 12 / flat cap / clear	80 strips / pack 10 packs / case
PP-112	0.1ml	Strips of 12 / dome cap / clear	80 strips / pack 10 packs / case



PP-106



PP-107



PP-110



PP-111



PP-112



PP-121



PP-122



PP-123



PP-124



PP-125



PP-126



PP-127

VOLO Strip Tubes			
Item	Volume	Description	Packaging
PP-121	0.2ml	Strips of 8 Tubes / clear	125 strips / pack 10 packs / case
PP-122	0.1ml	Strips of 8 Tubes / clear	125 strips / pack 10 packs / case
PP-123	0.1ml	Strips of 12 Tubes / clear	80 strips / pack 10 packs / case

VOLO Strip Caps			
Item	Caps	Description	Packaging
PP-124	Flat	Strips of 8 Caps / clear	125 strips / pack 10 packs / case
PP-125	Dome	Strips of 8 Caps / clear	125 strips / pack 10 packs / case
PP-126	Flat	Strips of 12 Caps / clear	80 strips / pack 10 packs / case
PP-127	Dome	Strips of 12 Caps / clear	80 strips / pack 10 packs / case

## VOLO Individual PCR Tubes

- Ultra thin wall: 0.25mm 두께의 tube wall을 통하여 효율적인 열전달과 Crush 방지
- Certified free of Dnase, Rnase, DNA, and PCR inhibitors.
- 증발에 강한 특성과 열고 닫기 쉬운 Cap을 통해 샘플의 손실을 예방합니다.

### Corbett-Type Tubes and Caps

- QIAGEN, Corbett Rotor-Gene 장비와 호환 가능합니다.

## Product List

VOLO Individual PCR Tubes			
Item	Volume	Description	Packaging
PP-130	0.2ml	Capless Tube	1000 Tubes / pack 10 packs / case
PP-131	0.2ml	dome cap / clear	1000 Tubes / pack 10 packs / case
PP-132	0.1ml	Frosted flat cap / clear	1000 Tubes / pack 10 packs / case
PP-133	0.2ml	flat cap / clear	1000 Tubes / pack 10 packs / case
PP-134	0.5ml	dome cap / clear	1000 Tubes / pack 10 packs / case
PP-135	0.5ml	Frosted flat cap / clear	1000 Tubes / pack 10 packs / case



PP-132

Clear cap on  
PP-132 is ideal  
for labeling.

VOLO Corbett-Type Strip Tubes and Caps			
Item	Volume	Description	Packaging
PP-108	0.1ml	4 Tube Strip and 4 Cap Strip / Clear	250 Strips / pack 10 packs / case



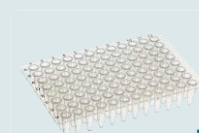
PP-108

## VOLO PCR Plate

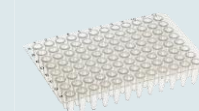
- Thermal cycler 장비들과 높은 호환성
- Ultra-Thin wall을 통하여 효율적인 열 전사 능력 제공
- 높은 시인성을 가진 알파벳, 숫자 표기로 인한 정확한 Sample 위치 인식
- Bar-code가 표기된 제품을 통해 관리 편의성 향상
- Sealing 시 Well의 높은 가장자리로 샘플의 증발 감소
- 매우 투명하고 높은 순도의 Polypropylene 사용(FDA 21 CFR 177.1520 & USP Class VI)
- Certified free of Dnase, Rnase, DNA, and PCR inhibitors.
- Skirt Options: Full / Semi / Non

## Product List

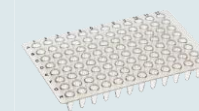
VOLO Unskirted PCR Plates			
Item	Wells	Description	Packaging
PP-201	96	Standard / A12 Corner cut	10 Plate / pack 10 packs / case
PP-204	96	Standard, Cuttable / A12 Corner cut	10 Plate / pack 10 packs / case
PP-202	96	Low Profile / H12 Corner cut	20 Plate / pack 5 packs / case
PP-203	96	Chimney Top / H12 Corner cut	10 Plate / pack 10 packs / case



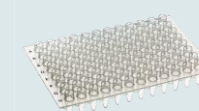
PP-201



PP-204



PP-202



PP-203

### 장비 호환 추천 제품



	0.1ml Low Profile		0.2ml Standrad		384-Well
Thermal Cycler	Strip Tube	Plate	Strip Tube	Plate	Plate
ABI	PP-102	PP-214	PP-101	PP-213	PP-223
Bio-Rad	PP-102	PP-221	PP-101	PP-215	PP-223
Roche LightCycler	PP-102	PP-216	-	-	PP-222



## VOLO PCR Plate

### Product List

VOLO Semi-Skirted Plates			
Item	Wells	Description	Packaging
PP-211	96	Standard / A12 Corner cut	10 Plate / pack 10 packs / case
PP-212	96	Low Profile / H1 Corner cut	10 Plate / pack 10 packs / case
PP-213	96	Raised rim, Standard ABI-Type A12 Corner cut	10 Plate / pack 10 packs / case
PP-214	96	Low Profile, Fast Type / A1 Corner cut	10 Plate / pack 10 packs / case
PP-215	96	Standard / A12 Corner cut	10 Plate / pack 10 packs / case
PP-216	96	Low Profile, LightCycler Type H12 Corner cut	10 Plate / pack 10 packs / case



PP-211



PP-212



PP-213



PP-214



PP-215

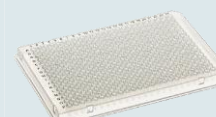


PP-216

VOLO Full-Skirted Plates			
Item	Wells	Description	Packaging
PP-221	96	Low Profile / A12 Corner cut	10 Plate / pack 10 packs / case
PP-222	384	Two notch type, Roche-Type A24&P24 Corner cut	10 Plate / pack 10 packs / case
PP-223	384	One notch Type, ABI-Type A24 Corner cut	10 Plate / pack 10 packs / case



PP-221



PP-222



PP-223



## VOLO Sealing Film

### Product List

#### VOLO ClearSeal Film

Item	Description	Packaging
PP-301	Only PCR, with Sealing Paddle	100sheets / box

#### ClearSeal Film

- 2mm Polyester / DNase, RNase, Nucleic acid Free
- -40℃~120℃ 온도 범위 사용

#### VOLO EasySeal Film

Item	Description	Packaging
PP-302	PCR, qPCR, Sample storage	100sheets / box

#### EasySeal Film

- 필름 양쪽 끝이 넓어 붙이기 쉽고 완벽하게 Sealing이 되어 시료 증발이 안 됨
- -40℃~120℃ 온도 범위 사용 / DNase & RNase Free / 2mm Polyester

#### VOLO OptiSeal Film

Item	Description	Packaging
PP-303	qPCR, 단백질 크리스탈 실험용	100sheets / box

#### OptiSeal Film

- 압력에 의해 접착력에 생겨 필름과 접촉하는 부분만 점성 발생 / DMSO에 안정
- -80℃~120℃ 온도 범위 사용 / DNase & RNase Free / 2mm Polyester

#### VOLO FoilSeal Film

Item	Description	Packaging
PP-304	PCR, Sample storage, 빛에 민감한 분석	100sheets / box

#### FoilSeal Film

- 쉬운 Piercing이 쉬워 샘플 회수 용이 / Standard Plae 전용
- -80℃~120℃ 온도 범위 사용 / DNase & RNase Free / 2mm Polyester

#### VOLO Sealing Paddle

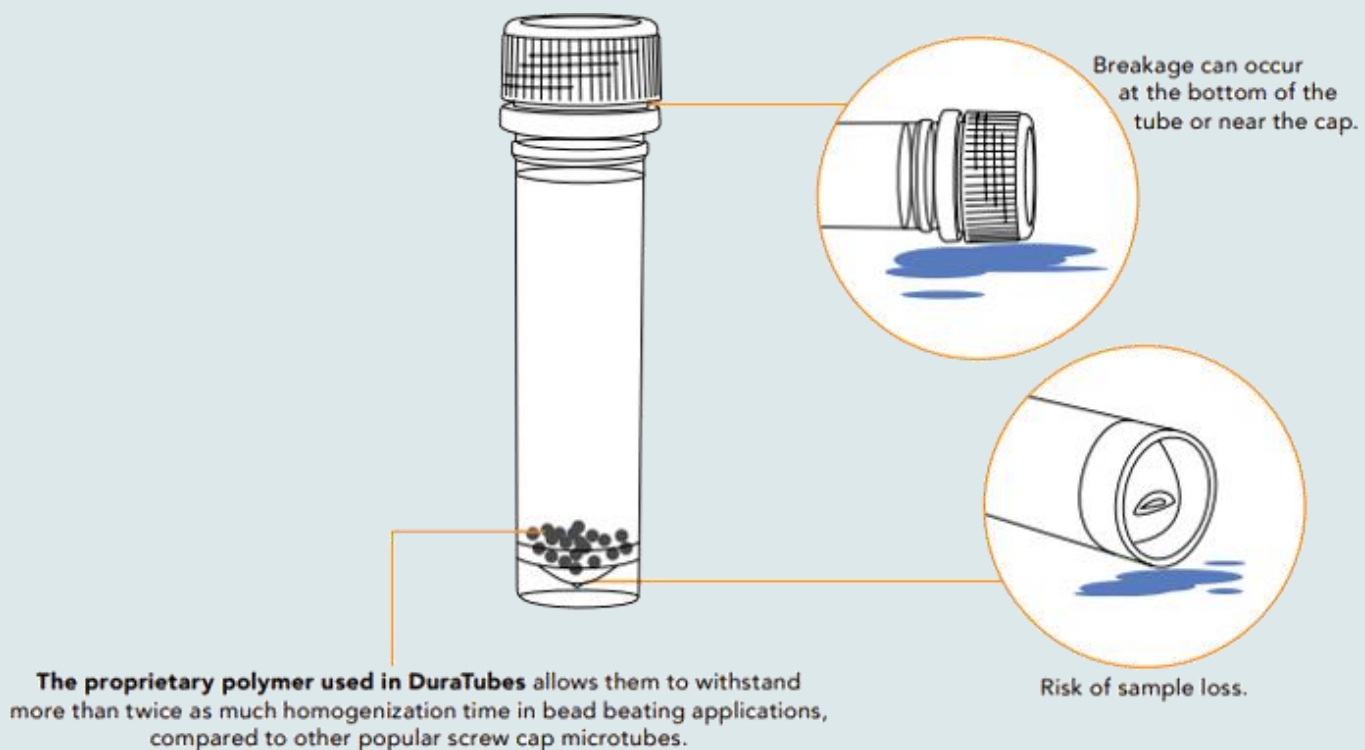
Item	Description	Packaging
PP-321	Pads for film adhesion	50ea / box

## VOLOSeal EnduTubes

- Bead-beating의 용도에 맞게 특수 제작된 독점 resin으로 제조
- 정교한 O-ring이 튼튼한 Seling 제공
- Pure polypropylene(FDA 21 CFR 177.1520)
- Graduated 100uL: 샘플 볼륨을 보다 쉽게 확인 가능
- Self-Standing
- Certified free of RNase, DNase, DNA, PCR inhibitors

## Product List

VOLO EnduTubes & Caps			
Item	Volume	Description	Packaging
PT-501	2.0ml	Graduated EnduTubes & Caps, Assembled	200units / pack 5 packs / case



VOLOSeal Screw Caps with O-Rings

VOLOSeal Grip Caps

- Pure polypropylene(FDA 21 CFR 177.1520 & USP Class VI)
- 고무 그립으로 제작되어 냉동상태에서도 쉽고 열고 닫을 수 있습니다.

Product List

VOLOSeal Grip Caps		
Item	Description	Packaging
PT-403	Rubber ribs on Grip Caps	500units / pack 10 packs / case



VOLOSeal Standard Screw Caps

VOLOSeal Standard Screw Caps

- Available with and with out attached tether
- 합성 O-ring으로 제조(PT-303, PT-304 제외)

VOLOSeal Standard Screw Caps		
Item	Description	Packaging
PT-301	Standard Caps	500units / pack 10 packs / case
PT-302	Standard Cap with Tether	500units / pack 10 packs / case
PT-303	Insertable Cap with Silicone O-ring	500units / pack 10 packs / case
PT-304	Insertable Tethered Cap with Silicone O-ring	500units / pack 10 packs / case
PT-305	Cap Inserts	500units / pack 10 packs / case

PT-301 PT-302



PT-303 PT-304



PT-305



## VOLOSeal Screw MicroTubes

### VOLOSeal Screw MicroTubes

- Pure polypropylene(FDA 21 CFR 177.1520 & USP Class VI)
- 넓은 온도 범위 사용 가능: -196℃~121℃ (액체질소탱크 사용 불가)
- Rated to 2,000 x G
- Graduated versions: 100uL 마다 눈금이 있어, 샘플 용량을 쉽게 확인 가능
- Certified free of RNase, DNase, DNA, PCR inhibitors
- Skirted or conical bases
- Ideal for boiling applications

## Product List

### VOLOSeal Clear Tubes, Graduated

Item	Volume	Description	Packaging
PT-202	1.5ml	Conical Base	500units / pack 10 packs / case
PT-203	2.0ml	Conical Base	500units / pack 10 packs / case
PT-201	2.0ml	Skirted Base	500units / pack 10 packs / case

Graduated



### VOLOSeal For Manufacturers: Clear Tubes, Non-Graduated

Item	Volume	Description	Packaging
PT-204	1.5ml	Conical Base	500units / pack 10 packs / case
PT-205	2.0ml	Conical Base	500units / pack 10 packs / case
PT-206	2.0ml	Skirted Base	500units / pack 10 packs / case

Non-graduated



## VOLOSeal Screw MicroTubes

### Product List

VOLOSeal Clear Tubes, Non-Graduated			
Item	Volume	Description	Packaging
PT-101	0.5ml	Skirted Base, Ribbed	500units / pack 10 packs / case
PT-102	0.5ml	Conical Base	500units / pack 10 packs / case
PT-103	0.5ml	Skirted Base	500units / pack 10 packs / case
PT-104	1.5ml	Conical Base, Ribbed	500units / pack 10 packs / case
PT-105	1.5ml	Skirted Base, Ribbed	500units / pack 10 packs / case
PT-106	1.5ml	Skirted Base	500units / pack 10 packs / case
PT-107	2.0ml	Conical Base, Ribbed	500units / pack 10 packs / case
PT-108	2.0ml	Skirted Base, Ribbed	500units / pack 10 packs / case

Ribbed



VOLOSeal Amber Tubes			
Item	Volume	Description	Packaging
AMT-010	1.5ml	Conical Base, Graduated	500units / pack 10 packs / case
AMT-020	2.0ml	Conical Base, Graduated	500units / pack 10 packs / case
AMT-030	2.0ml	Skirted Base, Graduated	500units / pack 10 packs / case
AMT-001	0.5ml	Skirted Base, Ribbed, Non-Graduated	500units / pack 10 packs / case
AMT-002	0.5ml	Skirted Base, Non-Graduated	500units / pack 10 packs / case
AMT-003	1.5ml	Skirted Base, Ribbed, Non-Graduated	500units / pack 10 packs / case
AMT-004	1.5ml	Skirted Base, Non-Graduated	500units / pack 10 packs / case
AMT-005	2.0ml	Skirted Base, Ribbed, Non-Graduated	500units / pack 10 packs / case

Amber



## VOLOSeal Tube & Cap Assemblies, Sterile

- Pure polypropylene(FDA 21 CFR 177.1520 & USP Class VI)
- 넓은 온도 범위 사용 가능: -196℃~121℃ (액체질소탱크 사용 불가)
- Certified free of RNase, DNase, DNA, PCR inhibitors, Pyrogens

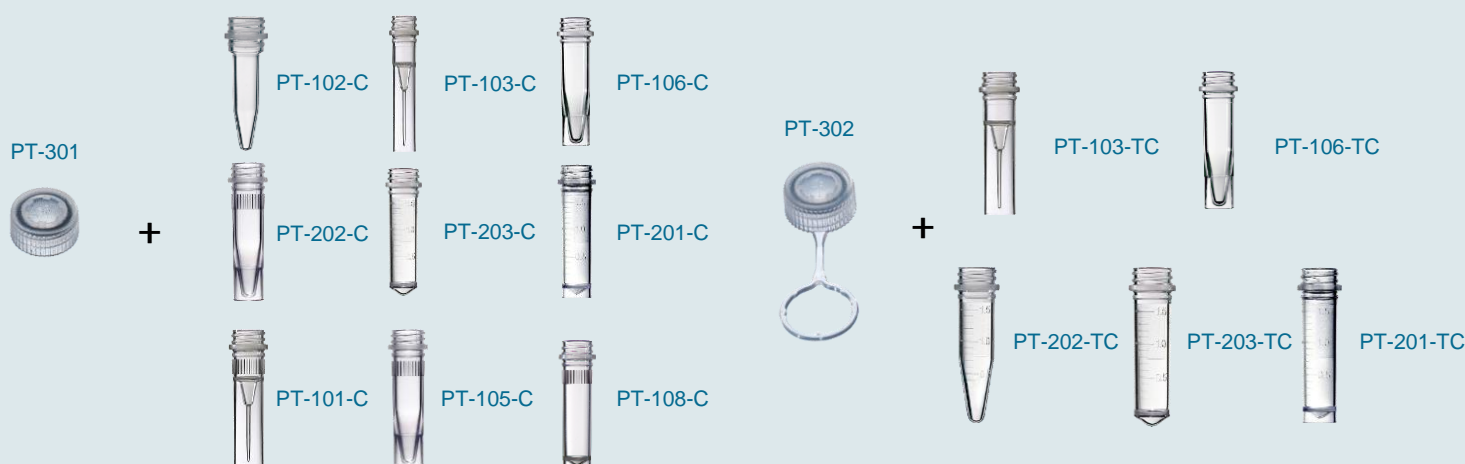
### Product List

Tubes + Standard Caps (PT-301)  
(50 assemblies / pack, 50packs / case)

Graduated	0.5ml Conical Base	0.5ml Skirted Base	1.5ml Conical Base	1.5ml Skirted Base	2.0ml Conical Base	2.0ml Skirted Base
Non-Graduated	PT-102-C	PT-103-C	-	PT-106-C	-	-
Graduated	-	-	PT-202-C	-	PT-203-C	PT-201-C
Ribbed	-	PT-101-C	-	PT-105-C	-	PT-108-C

Tubes + Standard Tethered Caps(PT-302)  
(50 assemblies / pack, 50packs / case)

Graduated	0.5ml Conical Base	0.5ml Skirted Base	1.5ml Conical Base	1.5ml Skirted Base	2.0ml Conical Base	2.0ml Skirted Base
Non-Graduated	-	PT-103-TC	-	PT-106-TC	-	-
Graduated	-	-	PT-202-TC	-	PT-203-TC	PT-201-TC
Ribbed	-	-	-	-	-	-



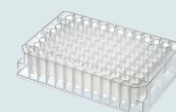
## VOLO Deep Well Plates

- Pure Polypropylene으로 제작되어 샘플의 장기간 보관 시 온전한 샘플 보존을 가능하게 합니다.
- Certified free of RNase, DNase, DNA, PCR inhibitors
- 알파벳 및 숫자가 표기되어 있어 샘플 위치 추적이 용이합니다. (알파벳:A-H, 숫자:1-12)
- Centrifugation to 4,000 x G
- HTS-friendly: 대부분의 liquid-handling 장비와 호환됩니다.

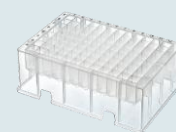
## Product List

### VOLO Deep Well Plates

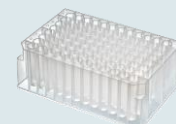
Item	Volume	Description	Packaging
DP-101	1.1ml	Deep Well Plate, Round Bottom	5units / pack 10packs/ case
DP-101S	1.1ml	Deep Well Plate, Round Bottom, Sterile	5units / pack 10packs/ case
DP-102	1.1ml	Deep Well Plate, Square, V-Bottom	5units / pack 10packs/ case
DP-103	2.0ml	Deep Well Plate, Round Bottom	5units / pack 10packs/ case
DP-103S	2.0ml	Deep Well Plate, Round Bottom, Sterile	5units / pack 10packs/ case
DP-104	2.0ml	Deep Well Plate, Square, V-Bottom	5units / pack 10packs/ case
DP-104S	2.0ml	Deep Well Plate, Square, V-Bottom, Sterile	5units / pack 10packs/ case
DP-105	240uL	Deep Well Plate, V-Bottom	5units / pack 10packs/ case
DP-105S	240uL	Deep Well Plate, V-Bottom, Sterile	5units / pack 10packs/ case



DP-101



DP-102



DP-103



DP-104



DP-105



DP-204

### VOLO Reservoir

Item	Volume	Description	Packaging
DP-204	20ml	12-Channer Reservoir	5units / pack 4packs/ case



# VOLO Deep Well Sealing Foil and Mats

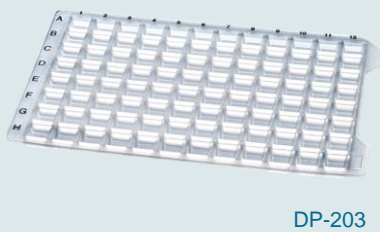
## VOLO Sealing Foil and Mats

- 실리콘 매트는 재사용이 가능하며, 샘플 추출을 위해 구멍을 뚫을 수 있습니다.
- 넓은 온도 범위 사용 가능: -80℃~120℃
- 장기간 샘플 보관에 용이(DMSO를 포함한 다른 용액에 대해 높은 내구성)



## Product List

VOLO Deep Well Sealing Foil and Mats			
Item	Well Fit	Description	Packaging
DP-201	96well Round or Square	VOLO XR Foil for Extreme Conditons (129.0 x 78.3mm)	5units / pack 10packs/ case
DP-202	96 Round Well	Sealing Mat for 96-W Deep Well Plate, Round Wells	5units / pack 10packs/ case
DP-202S	96 Round Well	Sealing Mat for 96-W Deep Well Plate, Round Wells, Sterile	5units / pack 10packs/ case
DP-203	96 Square Well	Sealing Mat for 96-W Deep Well Plate, Square Wells	5units / pack 10packs/ case
DP-203S	96 Square Well	Sealing Mat for 96-W Deep Well Plate, Square Wells, Sterile	5units / pack 10packs/ case



## VOLO Deep Well Tubes & Rack Systems

### VOLO Deep Well Tubes & Rack Systems

- HTS-friendly: 대부분의 liquid-handling 장비와 호환됩니다.
- SBS footprint: 8 x 12 format
- 알파벳 및 숫자가 표기되어 있어 샘플 위치 추적이 용이합니다. (알파벳:A-H, 숫자:1-12)
- 샘플 보관, 희석, 혼합, 스크리닝 등 다양한 용도로 사용 가능합니다.

## Product List

### VOLO Deep Well, Non-Racked Tubes

Item	Volume	Description	Packaging
DP-001	1.2ml	Individual Tubes	1000tubes / pack 10 packs / case
DP-002	1.2ml	Strips of 8 Tubes	125 Strips / pack 10packs / case
DP-003	1.2ml	Strips of 12 Tubes	80 strips / pack 10packs / case



DP-001



DP-002



DP-003

### VOLO Deep Well, Cpa Strips

Item	Description	Packaging
DP-020	Strips of 8 Caps	125 Strips / pack 10packs / case
DP-020S	Strips of 8 Caps / Sterile	125 Strips / pack 10packs / case
DP-030	Strips of 12 Caps	80 Strips / pack 10packs / case
DP-030S	Strips of 12 Caps / Sterile	80 Strips / pack 10packs / case



DP-020



DP-030

## VOLO Deep Well Tubes & Rack Systems

### Secure Vessels for Storage & Reaction

- Rack System 제품에는 투명한 뚜껑이 함께 제공됩니다.
- Rack System 제품은 Robotic workstation이나 장기 샘플 보관에 용이합니다.
- Individual tube, Strips of 8 tubes, Strips of 12 tubes 3가지로 제품이 생산됩니다.

### Product List

VOLO Deep Well, Racked Tubes with Lid			
Item	Volume	Description	Packaging
DP-301	1.2ml	Individual Tubes, Racked	10Racks / Pack 10Packs / Case
DP-301S	1.2ml	Individual Tubes, Racked / Sterile	10Racks / Pack 10Packs / Case
DP-302	1.2ml	Strips of 8 Tubes, Racked	10Racks / Pack 10Packs / Case
DP-302S	1.2ml	Strips of 8 Tubes, Racked / Sterile	10Racks / Pack 10Packs / Case
DP-303	1.2ml	Strips of 12 Tubes, Racked	10Racks / Pack 10Packs / Case
DP-303S	1.2ml	Strips of 12 Tubes, Racked / Sterile	10Racks / Pack 10Packs / Case



DP-301



DP-302



DP-303

## VOLO Assemble Rack

### VOLO 4-way Assemble Racks

- 매우 낮은 온도에서도 사용이 가능합니다. (-90℃)
- Available in standard or interlocking versions
- 일반적인 튜브 사이즈 대부분을 수용(from 0.5ml to 50ml)
- 단단한 조립 구조 형성

## Product List

VOLO 4-Way Assemble Racks				
Item	Description	Tube Options	Colors	Packaging
FP-101	4-Way Interlock Assemble 171 x 91 x 54 mm	Side 1: 32 x 1.5-2.0 mL Side 2: 32 x 0.5 mL Side 3: 12 x 5 or 15 mL Side 4: 4 x 50 mL	Fluorescent: Blue, Green, Yellow, Orange, Pink	5units / pack 4packs / case
FP-102	4-Way Assemble 5ml 171 x 91 x 54 mm	Side 1: 18 x 5 mL and 32 x 0.5 mL Side 2: 32 x 1.5-2.0 mL Side 3: 12 x 5 or 15 mL Side 4: 4 x 50 mL	Standard: Blue, Green, Red, Yellow	4units / pack 4packs / case
FP-103	4-Way Assemble 50ml 8 x 50ml Tubes 198 x 114 x 95 mm	Side 1: 8 x 50 mL Side 2: 20 x 20 mm Side 3: 24 x 5 or 15 mL Side 4: 40 x 1.5-2.0 mL	Fluorescent: Blue, Green, Yellow, Orange, Pink	5units / pack 2packs / case
FP-104	4-Way Assemble 25mm 12 x 25mm Tubes 198 x 114 x 95 mm	Side 1: 12 x 25 mm Side 2: 20 x 20 mm Side 3: 40 x 1.5-2.0 mL Side 4: 24 x 5 or 15 mL	Standard: Blue, Green, Red, Orange, Violet	5units / pack 2packs / case



FP-101



FP-102



FP-103

## VOLO Assemble Rack and Sliplock

### Product List

VOLO 4-Way Assemble Racks with Tray				
Item	Description	Tube Options	Colors	Packaging
FP-201	4-Way Assemble with Tray Standard Colors 243 × 102 × 41 mm	12 x 0.5 mL 9 x 1.5-2.0 mL 6 x 15 mL 2 x 50 mL	Standard: Green, Blue, Red, Yellow	1tray / pack 5packs / case
FP-202	4-Way Assemble with Tray Fluorescent Colors 243 × 102 × 41 mm	12 x 0.5 mL 9 x 1.5-2.0 mL 6 x 15 mL 2 x 50 mL	Fluorescent: Green, Yellow, Orange, Pink	1tray / pack 5packs / case



FP-201



FP-202

VOLO Sliplock Assemble				
Item	Description	Tube Options	Colors	Packaging
FP-301	Sliplock Assemble 4 Racks and 2 Clear Lids	16 x 0.5 mL tubes per rack. 24 x 1.5/2.0 mL tubes per rack. 60 x 0.1/0.2 mL PCR tubes per rack. 12 x 8-strip or 11 x 12-strip PCR tubes per 2 racks. 1 x non-skirted or semi-skirted 96-well PCR plate per 2 racks.	Green, Blue, Red, Yellow	1workstation / pack 4packs / case



FP-301

## VOLO Revolver Assemble

### Product List

VOLO Revolver Assemble				
Item	Description	Tube Options	Colors	Packaging
FP-302	Revolver Assemble 257 x 108 x 108 mm	Side 1: 6 x 0.5 mL and 12 x 1.5/2.0 mL Side 2: 8 x 5 or 15 mL Side 3: 2 x 50 mL Side 4: 48 x 0.2 mL	Green, Blue, Red, Yellow	4rack blocks / pack 4packs / case



FP-302

## VOLO Assemble Rack(32, 64, 96)

### Product List

VOLO Assemble Rack 32-Place(4 x 8 Format)				
Item	Description	Tube Options	Colors	Packaging
FP-401	Rack with Clear Lid 169 × 81 × 48 mm	Side A: 32 x 1.5/2.0mL + 8 x 0.5 mL Side B: 32 x 0.5 mL + 8 x 1.5/2.0 mL	Assorted Fluorescent	5racks with lids / pack 4packs / case
FP-402	Rack Only 169 × 79 × 28 mm	Side A: 32 x 1.5/2.0mL + 8 x 0.5 mL Side B: 32 x 0.5 mL + 8 x 1.5/2.0 mL	Assorted Fluorescent	5 racks/unit, 4 units/case
VOLO Assemble Rack 64-Place(8 x 8 Format)				
Item	Description	Tube Options	Colors	Packaging
FP-403	Rack with Clear Lid 132 × 130 × 45 mm	Side A: 64 x 1.5/2.0 mL Side B: 64 x 0.5 mL	Assorted Fluorescent	5racks with lids / pack 4units / case
FP-404	Rack Only 132 × 127 × 31 mm	Side A: 64 x 1.5/2.0 mL Side B: 64 x 0.5 mL	Assorted Fluorescent	5racks / unit, 4units / case
VOLO Assemble Rack 96-Place(8 x 12 Format)				
Item	Description	Tube Options	Colors	Packaging
FP-405	Rack with Clear Lid 213 × 118 × 50 mm	Side A: 96 x 1.5/2.0 mL Side B: 96 x 0.5 mL	Assorted Standard	5racks with lids / pack 2packs / case
FP-406	Clear Lid Only 206 × 118 × 29 mm	Side A: 96 x 1.5/2.0 mL Side B: 96 x 0.5 mL	Assorted Standard	1 lid / pack 10packs / case
FP-407	0 Rack Only 213 × 113 × 27 mm	Side A: 96 x 1.5/2.0 mL Side B: 96 x 0.5 mL	Assorted Standard	5racks / pack 2packs / case



FP-401



FP-402



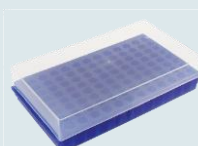
FP-403



FP-404



FP-405



FP-406



FP-407

## VOLO Freeze Rack

- 상온에서 사용할 경우 4℃ 미만의 시료 온도를 약 4시간 동안 유지(덮개 사용 시)
- 온도에 따른 색상 변화로 육안으로 샘플의 온도 상태를 확인 할 수 있음
- VOLO Freeze Rack의 색상변화는 7℃에서 변화폭이 가장 큼

## Product List

### VOLO Freeze PCR Racks

Item	Description	Cold to Warm Color Change	Est. Time Below 4℃	Packaging
VF-005	qPCR Rack	Blue to White	2.5 Hours	2racks / pack 5packs / case
VF-003	PCR Rack	Purple to Pink	3+ Hours	2racks / pack 5packs / case
VF-004	PCR Rack	Green to Yellow	3+ Hours	2racks / pack 5packs / case

#### Tube and plate capacity

- qPCR: 64 x 0.1 mL Corbett Rotor-Gene tubes, 16 x 0.2 mL tubes or strips,
- PCR: 96 x 0.1 and 0.2 mL tubes and strip tubes; plates up to 96-well

### VOLO Freeze PCR, SBS

Item	Description	Cold to Warm Color Change	Est. Time Below 4℃	Packaging
VF-006	PCR, SBS Rack	Purple to Pink	2.5 Hours	2racks / pack 5packs / case
VF-007	PCR, SBS Rack	Green to Yellow	2.5 Hours	2racks / pack 5packs / case

#### SBS PCR

- SBS footprint for use with liquid handling equipment
- 96-well PCR plates, Strip tubes, 0.2ml tube 모두 사용 가능
- 뚜껑이 없는 제품

### VOLO Freeze Racks, MCT

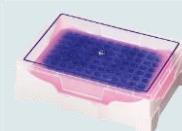
Item	Description	Cold to Warm Color Change	Est. Time Below 4℃	Packaging
VF-001	MCT Rack	Purple to Pink	3.5+ Hours	1rack / pack 5 packs / case
VF-002	MCT Rack	Green to Yellow	3.5+ Hours	1rack / pack 5 packs / case

#### Tube and plate capacity

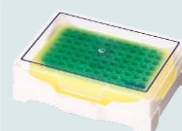
- 24 x 0.5, 1.5, 2.0 mL snap or screw-cap style tubes.



VF-005



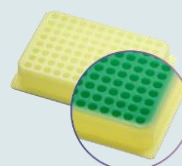
VF-003



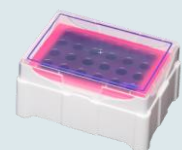
VF-004



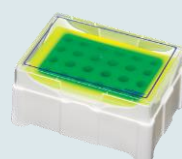
VF-006



VF-007



VF-001



VF-002



# VOLOLock Tube

## VOLOLock Tube

- Hinged lid가 실험 중 뚜껑이 열리는 현상을 예방
- 정교한 Sealing을 통해 장기간 샘플 보관 시 증발 방지
- 매우 높은 투명도를 제공하여 육안으로 시료 확인 가능
- Centrifuged at: 0.5ml - 1,5ml - 2,0ml 17,500 rpm - 30,000 x g
- Temperature of use: -80°C + 100°C
- Autoclavable open at +121°C for 20 minutes
- Graduated with writing area
- 실험에 최적화된 Tube(PCR and other applications in molecular biology)
- Manufactured in Clean Room Class ISO 8 (UNI EN ISO 14644-1) Class 100000 (US FED STD209E)
- Human DNA, DNase, RNase, Pyrogen, ATP, PCR inhibitors free certified



## Product List

VOLOLock Tubes			
Item	Volume	Description	Packaging
CT-305	0.5ml	Microtube with cap Eppendorf type, 0.5 ml in PP - VOLOLock	500tubes / pack 20packs / case
CT-315	1.5ml	Microtube with cap Eppendorf type, 1.5 ml in PP - VOLOLock	500tubes / pack 20packs / case
CT-320	2.0ml	Microtube with cap Eppendorf type, 2.0 ml in PP - VOLOLock	500tubes / pack 16packs / case
CT-350	5.0ml	Microtube with cap Eppendorf type, 5 ml in PP - VOLOLock	100tubes / pack 30packs / case

## VOLOLock

MicroTubes in PP with Secure Locking System



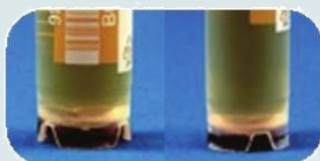
## VOLO CryoVial

### Innovative bi-injection system

- Onebody Cap: Polyethylene+silicone o-ring
- Use TPE(Thermoplastic elastomer) material
- Provide a 100% leak-proof seal
- No contamination, excellent screwing grip

### Vial Picker

- Facilitates the removal of cryotubes from VOLO Cryo boxes and workstations



### Locking System

- Locking system with a base of polycarbonate workstation system
- Skirted tubes only



### All Volo Cryovials are printed barcode

- Pre-printed barcode on every tube
- Readable both ways, by all scanner brands

### White writing surface

- For specimen identification

## Certification

- Free of human DNA, RNase, DNase, ATP and PCR inhibitors
- Tubes in medical grade polypropylene
- Screw caps in medical grade polyethylene, silicone- injected
- USP Class VI, non-cytotoxic & non-haemolytic
- Sterile ( $\beta$ beta-radiation, SAL 10<sup>-6</sup>)
- Autoclavable (open) at 121 °C for 20 minutes
- CE-IVD marked
- Certified IATA PI650
- Double traceability : 2D DataMatrix is available
- Working temperature: up to - 196 °C in liquid nitrogen in the gas phase
- Manufactured in Clean Room Class ISO 7(UNI EN ISO 14644-1). Class 10000(US FED STD 209E)
- Made in Europe



VOLO CryoVial

Product List

Internal Cap							
Item	CR-101	CR-102	CR-103	CR-104	CR-105	CR-106	CR-107
Volume	1ml	2ml	2ml	4ml	4ml	5ml	5ml
Bottom	skirted	round	skirted	round	skirted	round	skirted
Packaging	400 / case(50/pack)						

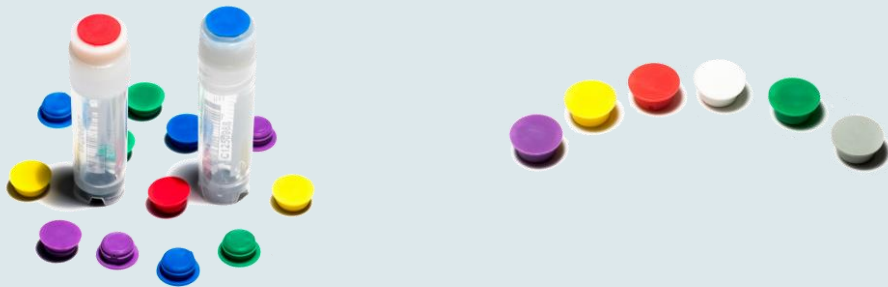


External Cap						
Item	CR-201	CR-202	CR-203	CR-204	CR-205	CR-206
Volume	1ml	2ml	2ml	3ml	4ml	5ml
Bottom	skirted	round	skirted	skirted	skirted	skirted
Packaging	400 / case(50/pack)					



Product List

Cap Disk						
Item	CR-301	CR-302	CR-303	CR-304	CR-305	CR-306
Color	blue	white	yellow	purple	red	green
Packaging	1000 / pack					



Cryo boxes								
Item	CR-401	CR-402	CR-403	CR-404	CR-411	CR-412	CR-413	CR-414
Size	1,2ml in/Ex	1,2ml in/Ex	3,4,5ml in/Ex	1,2 ml in	1,2ml in/Ex	1,2ml in/Ex	3,4,5ml in/Ex	1,2 ml in
Hole	25	81	81	100	25	81	81	100
Barcode	Non	Non	Non	Non	Barcoded	Barcoded	Barcoded	Barcoded
Packaging	48ea / case	40ea / case	32 / case	40 / case	48ea / case	40ea / case	32 / case	40 / case



Product List

Vial Picker	
Item	CR-420
Packaging	600ea / case



Workstation			
Item	CR-601	CR-602	CR-603
Color	Blue	Green	Red
Hole	40	40	40
Size	12.5 x 10 x 2.5	12.5 x 10 x 2.5	12.5 x 10 x 2.5
Packaging	1ea / pk	1ea / pk	1ea / pk



2D - Barcode System







## B<sub>2</sub>? B2Bio

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Ch

카톡에서 비투바이오 채널 추가하세요 +