

Vivacon®

DNA Concentration

- 멸균 & DNA-free: PCR 용도 DNA 농축에 적합
- Hydrosart® membrane (Regenerated Cellulose)
- Reverse spinning : 극소량 샘플의 loss 최소화
- 샘플 처리량 : 0.5ml, 2 ml



Vivacon® 500



Vivacon® 2

Technical Specifications

Concentrator capacity	Vivacon® 500	Vivacon® 2
Fixed-angle rotor	0.5 ml	2 ml
Dimensions		
Total length (concentration)	45 mm	125 mm
Total length (Back-spin)	47.5 mm	115 mm
Width	12.4 mm	16 mm
Active membrane area	0.32 cm ²	0.95 mm ²
Hold-up volume (membrane and support)	< 5 µl	10 µl
Dead-stop volume	5 µl (40° rotor)	55 µl (25° rotor)

Materials of construction

Body	Polycarbonate
Filtrate vessel	Polypropylene
Membrane	Hydrosart®

Ordering Information

MWCO	Vivacon® 500	Vivacon® 2	Pack size
2,000	VN01H91	VN02H91	25
	VN01H92	VN02H92	100
10,000	VN01H01	VN02H01	25
	VN01H02	VN02H02	100
30,000	VN01H21	VN02H21	25
	VN01H22	VN02H22	100
50,000	VN01H31	VN02H31	25
	VN01H32	VN02H32	100
100,000	VN01H41	VN02H41	25
	VN01H42	VN02H42	100
125,000	VN01H81	VN02H81	25
	VN01H82	VN02H82	100
	VN01H83		500

MWCO	Vivacon® 500-PCR Grade	Vivacon® 2-PCR Grade	Pack size
30,000	VN01H21ETO	VN02H21ETO	25
	VN01H22ETO	VN02H22ETO	100
50,000	VN01H31ETO	VN02H31ETO	25
	VN01H32ETO	VN02H32ETO	100
100,000	VN01H41ETO	VN02H41ETO	25
	VN01H42ETO	VN02H42ETO	100
125,000	VN01H81ETO	VN02H81ETO	25
	VN01H82ETO	VN02H82ETO	100

Vivaflow 50 / 50R / 200

단백질 농축 및 탈염용 필터



Vivaflow 50



Vivaflow 200



Vivaflow 50R

Cross Flow를 이용하여 연구목적이나 Pilot Scale에서 원하는 단백질을 농축 및 탈염 하는데 사용

Vivaflow 50

- 100 ml ~ 3 L
- 쉬운 Scale Up (Interlocking Modules)
- 경제적임
- Hold Up Volume이 적음

Vivaflow 50R

- 0.1 L ~ 1 L
- 재 사용 가능
- 바이러스 및 항체과 같은 고가샘플농축에 적합

Vivaflow 200

- 0.5 ~ 5 L
- 사용하기 간편한 압력 게이지와 Flow Restrictor
- 95% 이상의 회수율 (적은 Hold Up Volume과 Recirculation Volume)
- 세척 간편함 (0.1M NaOH)

Technical Specifications

	Vivaflow 50	Vivaflow 50R	Vivaflow 200
Materials of construction			
Main housing	Polycarbonate	Acrylic	Acrylic
Flow channel	TPX (PMP)	Acrylic	Acrylic
Membrane support	TPX (PMP)	Polypropylene	Polypropylene
Membrane seals and O rings	Silicone	Silicone	Silicone
Pressure indicator	Polypropylene	Polypropylene	Polypropylene
	SS** spring	SS** spring	SS** spring
Flow restrictor	Polypropylene	Polypropylene	Polypropylene
Fittings	Nylon	Nylon	Nylon
Tubing	PVC (medical grade)	PVC (medical grade)	PVC (medical grade)
Active membrane area	50 cm ²	50 cm ²	200 cm ²
Unrecoverable concentrate	1.5 ml	1.7 ml	5.3 ml
Min. recirculation volume	< 10 ml	10 ml	< 20 ml
Non-recoverable hold-up	< 0.5 ml	< 0.5 ml	< 1 ml

Ordering Information

Membrane	MWCO	Vivaflow 50	Vivaflow 50R	Vivaflow 200
PES	3,000	VF05P9	-	VF20P9
	5,000	VF05P1	-	VF20P1
	10,000	VF05P0	-	VF20P0
	30,000	VF05P2	-	VF20P2
	50,000	VF05P3	-	VF20P3
	100,000	VF05P4	-	VF20P4
RC	0.2 µm	VF05P7	-	VF20P7
	10,000	VF05C0	-	VF20C0
	100,000	VF05C4	-	VF20C4
	Hydrosart	2,000	-	-
Hydrosart	5,000	-	VF05H1	VF20H1
	10,000	-	VF05H0	VF20H0
	30,000	-	VF05H2	VF20H2
	100,000	-	VF05H4	

PES: Polyethersulfone RC: Regenerated Cellulose

Accessories

	Cat. No.
Masterflex Economy Drive variable speed peristaltic pump (230V)	VFP001
500 ml sample and/or diafiltration reservoir	VFA006
Masterflex Easy-Load pump head - size 15 / 16	VFA0013 / VFA0014
Vivaflow® 50 stand	VFA016
Pressure indicator (1 - 3 bar)	VFA020