

24-Well Ultrafiltration Frame

Safe and fast protein concentration in high throughput format

The unique and reusable 24-well ultrafiltration frame is designed to be fitted with up to 24 individual Vivaspin 500 ultrafiltration devices. The vertical membrane design and built in dead stop pocket inherent to all Vivaspin devices allow fast and safe high throughput concentration of 24 samples per plate. In this format 500 μ l samples can be concentrated 30 times in just 15 minutes.

The 24-well ultrafiltration frame and the supplied collection plates have the dimensions of standard microtiter plates and are compatible with swing-out rotors for stacked deep well plates.

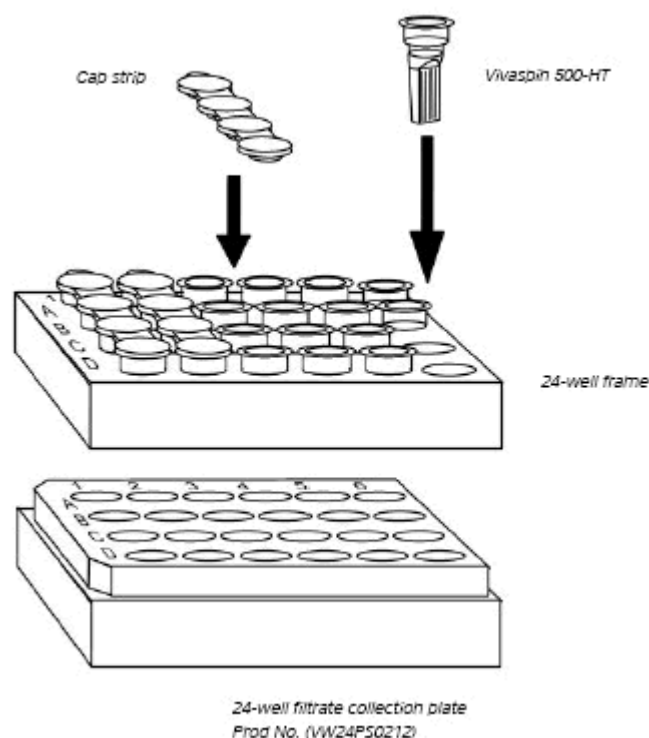


Key features:

- Robotic operation possible
- Paralell processing of up to 24 samples per plate
- Deadstop eliminates the possibility of concentration to dryness
- Vertical membrane allows fast concentration
- Multiple MWCO in the same run
- Scaleable to Vivaspin product range for larger volumes

Vivaspin 500-HT centrifugal concentrators are designed for use with the Vivascience 24-well ultrafiltration frame. The cap strips allow simple and convenient processing of 2-48 samples in parallel using a multiwell plate rotor accepting 2 stacked deep multiwell plates per bucket, and capable of spinning at up to 1,500 xg.

Traditional Vivaspin 500 devices can be used in the 24-well ultrafiltration frame as well for a larger MWCO option.



| Ordering Information | | | | |
|--|---|----------|-----------|-----------|
| Order No. | Description | | | Pack size |
| VW24HT051 | 24-well Ultrafiltration Frames (includes 2 collection plates) | | | 2 |
| VW24PS0212 | 24-well filtrate collection plates | | | 12 |
| Vivaspin 500 High Throughput | | | | |
| VS01HT01 | Vivaspin 500 HT 10,000 MWCO PES (includes 120 cap strips) | | | 480 |
| VS01HT21 | Vivaspin 500 HT 30,000 MWCO PES (includes 120 cap strips) | | | 480 |
| Vivaspin 500 | Pack Size | Prod No. | Pack Size | Prod No. |
| 3,000 MWCO PES | 25 | VS0191 | 100 | VS0192 |
| 5,000 MWCO PES | 25 | VS0111 | 100 | VS0112 |
| 10,000 MWCO PES | 25 | VS0101 | 100 | VS0102 |
| 30,000 MWCO PES | 25 | VS0121 | 100 | VS0122 |
| 50,000 MWCO PES | 25 | VS0131 | 100 | VS0132 |
| 100,000 MWCO PES | 25 | VS0141 | 100 | VS0142 |
| 300,000 MWCO PES | 25 | VS0151 | 100 | VS0152 |
| 1,000,000 MWCO PES | 25 | VS0161 | 100 | VS0162 |
| 0.2µm | 25 | VS0171 | 100 | VS0172 |
| Starter pack (5 of each 5 k,10 k,30 k,50 k,100 k) | 25 | VS01S1 | - | - |

Technical Specification

Centrifuge requirements

Swing out multiwell plate rotor accepting stacked deep well plates

Max RCF with filtrate collection plates 1,500 xg

Dimensions

Frame dimensions (L x W x H) 128 x 85 x 25 mm

Maximum height of frame plus filtrate collection plate 49 mm

Materials of construction

Frame Acetal

Filtrate collection plate Polystyrene

| Performance Characteristics | | |
|-----------------------------|--|----------|
| BSA 1.0 mg/ml | Time for concentrate up to 30x [min.] at 1,500 g | Recovery |
| 10,000 MWCO | 15 min | 95 % |
| 30,000 MWCO | 15 min | 93 % |