

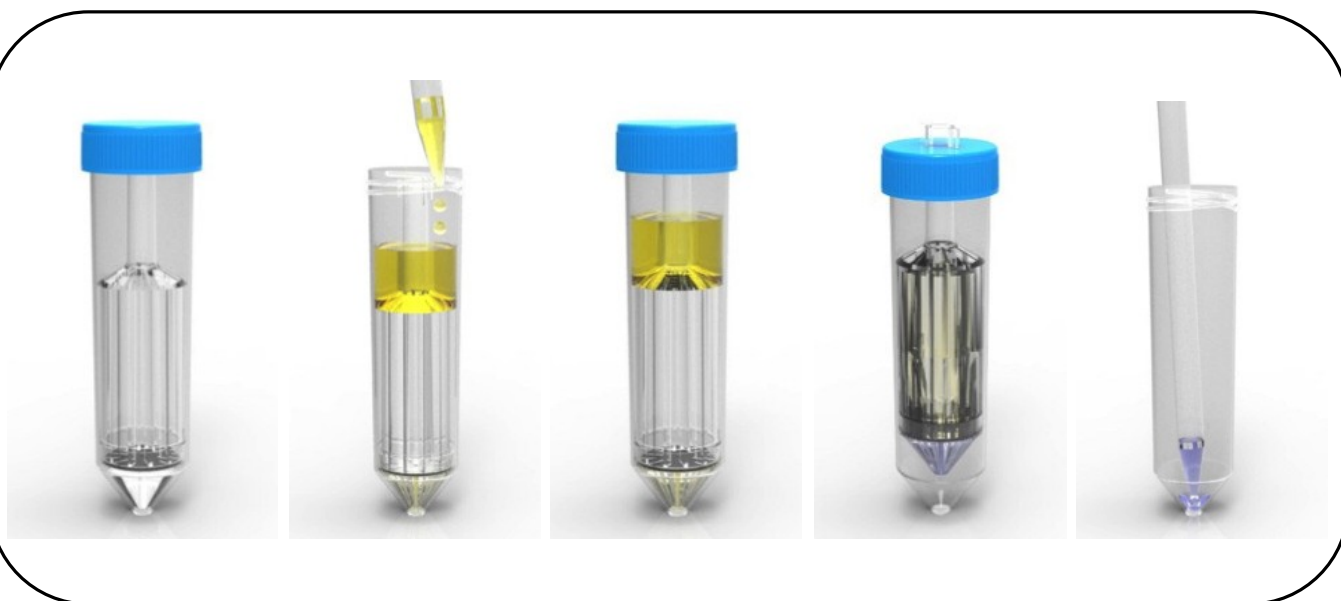
ULTRAFILTRATION: CONVERSE™ CONCENTRATION DEVICES

INSTRUCTIONS FOR USE:

Converse L (L) Comprising: 20x 50ml Tubes and Blue Lid with Converse devices inside and 4x Sample Recovery Lids.

Converse S (S) Comprising: 20x 15ml Tubes and Blue Lid with Converse devices inside and 4x Sample Recovery Lids.

Specially selected membrane used in Converse devices have a molecular weight cut off (MWCO) of 3,000, 10,000, 30,000 or 100,000 Daltons, depending on which ordered.



Step 1: Remove the Blue Lid from the 50ml (L) / 15ml (S) Tube and open device.

Step 2: Converse can be ran for an optional wash by pipetting 10ml (L) / 3ml (S) of distilled water into the outer section and spinning at 2500rpm for 1 minute.

Step 3: Pipette up to 20ml (L) / 6ml (S) of the sample to be concentrated into the outer section.

Step 4: Screw Blue Lid back on tightly.

Step 5: Once sample has been added to all Tubes balance them on weighing scales to ensure the centrifuge works efficiently and without any safety issues.

Step 6: Place assembled Tubes into centrifuge and run at 2500rpm for approximately 20-30 minutes, depending on the sample solution and the MWCO.

ULTRAFILTRATION: CONVERSE™ CONCENTRATION DEVICES

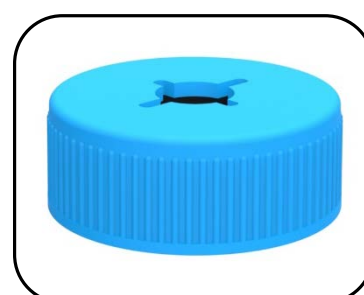
INSTRUCTIONS FOR USE CONTINUED:

Step 7: After spinning remove from centrifuge and open Lid. Pour off the filtrate and spin for another 20-30 minutes. The solution in the filtrate will be approximately 19.4 ml (L) / 5.7 ml (S) and in the concentrate 0.6 ml (L) / 0.3 ml (S) depending on sample solution and MWCO.

Step 8: To maximise concentration filtrate can be poured off again and then spun for another 20-30 minutes. Note: This is optional.

Step 9: Remove filtrate from Converse Device either by pipette or by pouring it off.

Step 10: Carefully pull the Converse Device up and out of the Tube. Place Sample Recovery Lid over the top and twist 45° to ensure Device cannot fall through. Push device back down and screw Recovery Lid onto 50ml Tube securely.



Step 11: Balance the Tubes again before placing back into the centrifuge.

Step 12: Spin the Tubes for up to 3 minutes to facilitate sample recovery at a maximum of 2000rpm.

Step 13: Remove from centrifuge and remove Recovery Lid.

Step 14: Carefully pull out the Converse Device from the Tube.

Step 15: Recover the concentrate from the Tube by using a pipette or screw the Blue Lid back on and store for later use.

Product Codes:

MWCO	L CODE	S CODE
3kDa	V41003	V51003
10kDa	V41010	V51010
30kDa	V41030	V51030
100kDa	V41100	V51100