

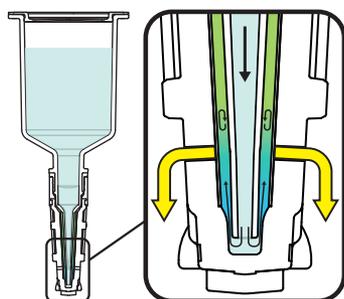
# Choose the direct route. Desalt with a single spin.

## Amicon® Pro Purification System

- Single device
- Fewer spins
- Greater, gentler sample recovery

### Maximize protein activity with gentle, single-spin diafiltration.

Buffer exchange using dialysis or diafiltration is often required to make a protein sample compatible with specific downstream analyses. But dialysis is time-consuming and multi-step diafiltration risks loss of activity and can require subsequent concentration. The Amicon® Pro device offers ground-breaking, gentle, single-spin diafiltration for simultaneous buffer exchange with concentration.



The uniquely designed interface between the exchange tube tip and the Amicon® Ultra device enables greater than 99.99% buffer exchange in a single spin. Buffer exchange, as shown in this diagram, was demonstrated by the replacement of a low-molecular weight dye (yellow) with clear buffer (black arrows); while a high-molecular weight dye (bright blue) was retained inside the Amicon® Ultra device.

**Gentler buffer exchange = greater activity.** Eluted Samples of GST-lambda protein phosphatase (LPP) buffer exchanged and concentrated using Amicon® Pro device showed greater specific activity and percentage recovery than when prepared with a dialysis cassette (plus concentrator device) or 0.5 mL diafiltration spin column.

	Dialysis cassette + concentrator	0.5 mL diafiltration device (3 spin)	Amicon® Pro Purification System
Process time	16 hours	50 minutes	20 minutes
Recovery	51%	> 95%	> 95%
Specific activity (signal/μg GST-LLP)	0.195	0.17	0.199
Steps required	6	4	2
Sample transfers	2	0	0

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## Advantages of reducing number of spins for buffer exchange

- Sample is not repeatedly diluted and re-concentrated
- Less chance of protein aggregation
- Decreased chance of protein precipitation
- Maintains high protein activity
- Saves time

Try the Amicon® Pro system at a discounted price! Contact your local representative today.

Purchase the 12 or 24 pack and realize further savings!

### Amicon® Pro Purification System

No Reagents Included	MWCO				
Description	3,000	10,000	30,000	50,000	100,000
Amicon® Pro Purification System Trial Pack 2/pk	ACS500302	ACS501002	ACS503002	ACS505002	ACS510002
Amicon® Pro Purification System 12/pk	ACS500312	ACS501012	ACS503012	ACS505012	ACS510012
Amicon® Pro Purification System 24/pk	ACS500324	ACS501024	ACS503024	ACS505024	ACS510024

Amicon® Pro purification system – the gentleness of dialysis at the speed of dialfiltration.

To view a video and learn more, please visit:  
[www.merckmillipore.com/AmiconPro](http://www.merckmillipore.com/AmiconPro)



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