



Agilent Bond Elut OMIX

Micro-volume extraction products



Bond Elut OMIX tips with monolithic sorbent technology offer superior performance in micro-volume solid extraction applications. Whether you are working in a high throughput ADME/DMPK laboratory or looking for micro-SPE pipette tips for proteomics applications, the superior flow and exceptional binding characteristics of Bond Elut OMIX products offer improved performance compared to particle-based alternatives.

Product features

- Small monolithic tip enables low elution volumes, increasing sensitivity.
- Fast uniform flow maximizes productivity and reproducibility.
- Minimal losses lead to higher recoveries.
- Available in different phases (C4, C18, SCX and mixed mode MP1) and different formats (10 μ L tips, 100 μ L tips and 96-well plates).

Key benefits

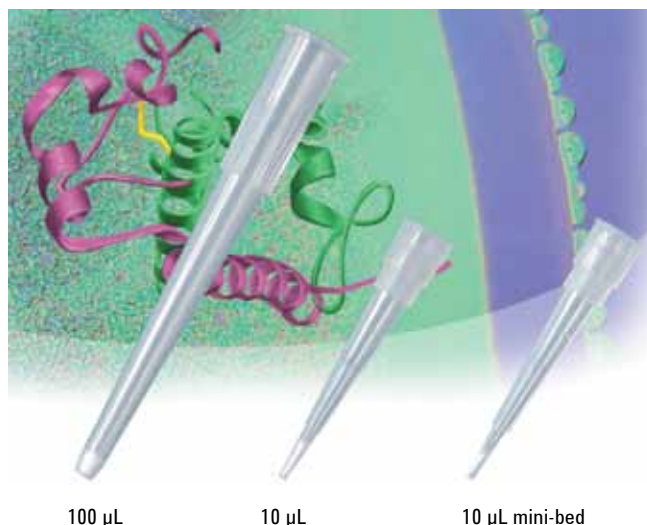
- Unique monolithic extraction media. Particle-free sorbent bed minimizes extraction and elution volumes.
- Bi-directional flow. Provides cleaner extracts, higher recoveries, improved reproducibility and better analytical sensitivity - without vacuum.
- Simple, straightforward procedure: precondition, apply sample, rinse, elute.



Bond Elut OMIX tips for proteomics applications

Agilent OMIX pipette tips are ideal for protein and peptide desalting, concentration and detergent removal. Available in three formats, 100 μ L, 10 μ L and 10 μ L mini-bed, Bond Elut OMIX tips reliably purify and enrich femtomole and picomole levels of peptides and proteins prior to MALDI-TOF or LC/MS/MS. The high binding capacity of Bond Elut OMIX tips delivers high productivity - the 10 μ L tips bind up to 8 μ g of peptide, twice as much as tips from other suppliers; 100 μ L tips are particularly useful for peptide extraction following proteolytic digests of proteins.

Bond Elut OMIX tips for proteomics applications are available in three phases: C4 for protein and large biomolecules, C18 for peptide extraction and desalting, and SCX for detergent removal.



Improved precision

Achieve up to a 3-fold improvement in RSD's with Bond Elut OMIX monolithic technology.

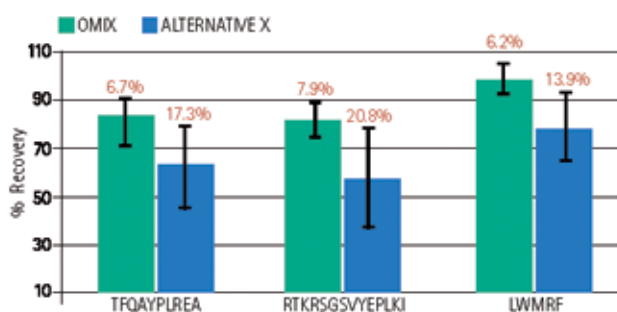


Figure 1. Percent recovery and relative standard deviation (RSD)

Greater confidence

Experience dependable tip performance and prevent precious sample loss.

Table 1. Percent recovery of LWMRF was evaluated on 108 tips (randomly selected from three racks of 96 tips) for OMIX and Alternative X. Failure defined as 0% recovery.

	Number of failed tips N=108	Percent failures
Bond Elut OMIX	0	0%
Alternative X	19	18%

Ordering information

Description	Elution volume	Pack size	Part No.
Bond Elut OMIX C4 10 μ L mini-bed	0.5 to 2 μ L	1 x 96 tips 6 x 96 tips	A57009MB A57009MBK
Bond Elut OMIX C4 10 μ L	2 to 10 μ L	1 x 96 tips 6 x 96 tips	A5700910 A5700910K
Bond Elut OMIX C4 100 μ L	10 to 100 μ L	1 x 96 tips 6 x 96 tips	A57009100 A57009100K
Bond Elut OMIX C18 10 μ L mini-bed	0.5 to 2 μ L	1 x 96 tips 6 x 96 tips	A57003MB A57003MBK
Bond Elut OMIX C18 10 μ L	2 to 10 μ L	1 x 96 tips 6 x 96 tips	A5700310 A5700310K
Bond Elut OMIX C18 100 μ L	10 to 100 μ L	1 x 96 tips 6 x 96 tips	A57003100 A57003100K
Bond Elut OMIX SCX 10 μ L mini-bed	0.5 to 2 μ L	1 x 96 tips	A57004MB
Bond Elut OMIX SCX 10 μ L	2 to 10 μ L	1 x 96 tips	A5700410
Bond Elut OMIX SCX 100 μ L	10 to 100 μ L	1 x 96 tips	A57004100

Bond Elut OMIX tips for robotic automation

Agilent Bond Elut OMIX 96-well VersaPlate

The Bond Elut OMIX 96-well VersaPlate is an automation-friendly format. The tubes contain a small amount of monolithic sorbent with almost no dead volume. The smaller bed results in less holdup of matrix components, delivering cleaner extracts, higher recoveries, improved reproducibility, and better analytical sensitivity.

The plates can be used with conventional vacuum handlers and the removable-tube feature allows individual tubes to be replaced. Individuals can therefore construct plates from a combination of C4, C18 or mixed mode MP1 phases for screening purposes.

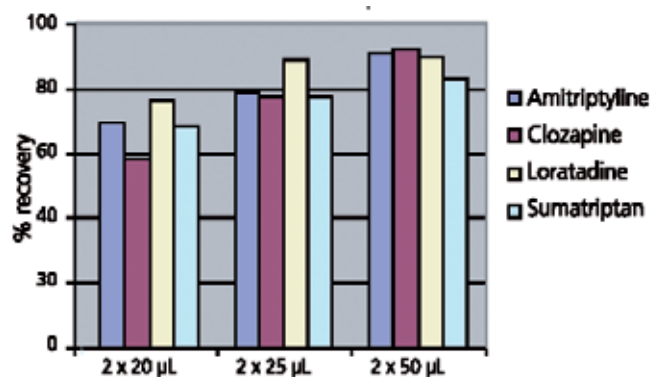
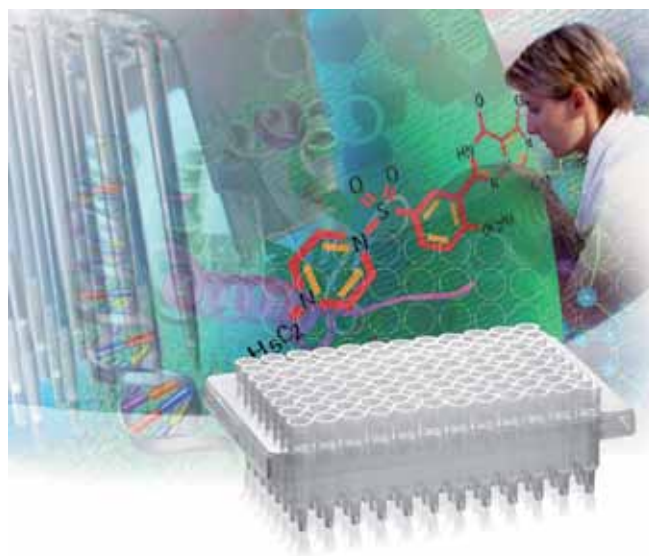


Figure 2. Small elution volumes produce great recoveries with Bond Elut OMIX C18 96-well VersaPlate



Ordering information

Description	Pack size	Part No.
Bond Elut OMIX C4, 96-well VersaPlate	1 x 96	A57109
Bond Elut OMIX C4, 96-well VersaPlate, tubes only	1 x 96	A57109A
Bond Elut OMIX C18, 96-well VersaPlate	1 x 96	A57103
Bond Elut OMIX C18, 96-well VersaPlate, tubes only	1 x 96	A57103A
Bond Elut OMIX MP1, 96-well VersaPlate	1 x 96	A57111
Bond Elut OMIX MP1, 96-well VersaPlate, tubes only	1 x 96	A57111A

Platform specific Bond Elut OMIX tips for robotic automation

Agilent Bond Elut OMIX tips for TOMTEC Quadra

Introduction of Bond Elut OMIX in TOMTEC Quadra pipette tips eliminates the need for manual vacuum processing and enables true walk-away automation.

Ordering information

Description	Pack size	Part No.
Bond Elut OMIX C18 for TOMTEC Quadra	5 x 96	A57303
Bond Elut OMIX MP1 for TOMTEC Quadra	5 x 96	A57311

Agilent Bond Elut OMIX tips for Hamilton Microlab Star Line, 300 µL

Offering excellent versatility and end-user productivity enhancements, these tips have an operating volume of 300 µL, allowing flexibility in sample size. Bi-directional flow capacities of the Bond Elut OMIX tips eliminates the need for manual vacuum processing.

Ordering information

Description	Pack size	Part No.
Bond Elut OMIX C18 for Hamilton, 300 µL	5 x 96	A57403
Bond Elut OMIX MP1 for Hamilton, 300 µL	5 x 96	A57411

Application notes

Protein desalting and concentration for MS analysis using Agilent Bond Elut OMIX C4 pipette tips.

Publication 5990-8885EN

Detergent removal using Agilent Bond Elut OMIX SCX pipette tips.

Publication 5990-8886EN

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