



UptiTip™ Packed Silica

Sample Preparation Extraction (SPE) of micro quantities.

These instructions are common for all of the reversed-phase packed tips

Catalog # :	BI5270	0.1-10 µl	96 U	UptiTip™ Packed C18
	BI5280	10-200 µl	96 U	
	BI5290	0.1-10 µl	96 U	UptiTip™ Packed C08
	BI5300	10-200 µl	96 U	
	BI5310	0.1-10 µl	96 U	UptiTip™ Packed C04
	BI5320	10-200 µl	96 U	

Applications : Universal trapping and concentration of peptides ; removal of salts. The slit in the bottom, ~ 10µm wide, permits fluids to pass but not the 30-µm packing material. Thus, no filter is necessary. This permits the elution of peptides in minimal volumes and minimizes the potential for sample loss. The capacity of these items are for samples 2-10 µl or 10-200 µl.

Directions for use

Recommended solvents

Binding solution : 0.1% formic acid or 0.05% TFA.

Releasing solution : Same plus 60% acetonitrile (ACN), propanol or methanol (use more or less organic solvent depending on the polarity of the peptides).

Conditioning procedure

a) Tap the UptiTip gently to displace any packing material sticking to the top white cap.

Remove the caps from top and bottom.

b) Via a pipette tip inserted in the top of the UptiTip, add 5 µl (or 50 µl for the 10-200 µl tips) of the releasing solution in order to wet the packing material. Attach the UptiTip to a pipettor or syringe and apply air pressure to force the solution through the packed bed. Remove the UptiTip from the pipettor and repeat this washing procedure 2-3x. Now wash the material 3x with the binding solution.

NOTE : Do not aspirate (suck up) the liquid. Since there is no filter on top, this will disrupt the packed bed and the material may be sucked into the pipettor. Liquids should always be forced through the packed bed either via positive air pressure or in a microcentrifuge. If this process is slow, then hold the UptiTip™ Packed onto the pipettor or syringe with one hand and push the plunger slowly ; otherwise, the tip could pop off from the pressure.

Protocol of use

Sample Binding

Apply the sample solution as above, attach the UptiTip to a pipettor or syringe, and force the liquid through the packed bed.

NOTE : If this process is slow, then hold the UptiTip onto the pipettor or syringe with one hand and push the plunger slowly ; otherwise, the tip could pop off due to the high pressure.

Sample Washing

Wash the packed bed 2-3x with 10 µl (or 50 µl for the 10-200 µl tips) volumes of the binding solution in order to elute salts and other non retained components.

Sample Release

Wash the packed bed with 2-10 μ l (or 25-50 μ l for the 10-200 μ l tips) of releasing solution (bed volume is 8 μ l or 25 μ l for the 10-200 μ l tips). Repeat and combine the eluents in order to elute all of the adsorbed peptide. Evaporate the solvent or proceed directly to the next analysis.

For in vitro R&D use only

Please contact Uptima – Interchim for any other information