

### Micro- Solid Phase Extraction and Sample Clean up for Biomolecules

NuTip is a revolutionary new solid phase extraction (SPE) cartridge in which the chromatography material is embedded on the inner surface of a pipette tip or a capillary. This maximizes the surface area in contact with the sample. The lack of polymers or glue for embedding the material prevents potential problems with contamination or permeability. Since the chromatographic media is embedded on the wall of the pipette tip, there is no resistance within the pipette-tip during the passage (flow) of the liquid sample. These tips are available with more than 30 different media for various applications of sample clean up and concentration of biomolecules for HPLC mass spectrometry and MALDI. These tips are available in different sizes for sample volumes of femtogram to microgram range

For milligram samples, use our TopTip or spin columns.

- \*Faster sample preparation with minimal sample loss
- \*No contamination from the supporting matrix, filter or polymer
- \*Sample volumes as small as 0.1µl
- \*Available in different forms and volumes



NuTips are available in different format:

\*Gel-Loader NuTip is a Gel loader Tip in which the chromatographic media is embedded in the capillary area. These Tips are used for purification of small amounts of peptides in 200 ng or lower sample volumes.

\*P-2 Type 1-10µNuTip

Universal 1-10 µl tip which fits in most of pipettors.

\*P-20 Type 10-200µl NuTip

Universal 10-200µl tip, which fits in most of the pipettors.

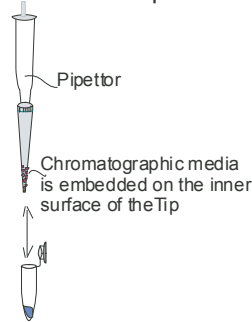
\*P-20 Type 10-200µl Large NuTip

This is a 10-200µl tip but has larger binding capacity (see table)

\*Syringe Tip

is based on NuTip technology for micro syringe. This device can be used for samples as small as 100 nanoliter and for sample preparation directly with HPLC Syringes.

#### How to Use NuTip



There is no back pressure, Hence the solution can be aspirated and expelled very easily.

Product	Binding Capacity	Amount of Media
Gel-Loader NuTip	500ng	15micrograms
NuTip (1-10ul)	1-2 micrograms	30 micrograms
NuTip (10-200ul)	2-4 micrograms	75 micrograms
NuTip (10-200ul) large	15-25 micrograms	300 micrograms
TopTip (1-10ul)	400 micrograms	4mg
TopTip (10-200ul)	1000 micrograms	10mg
TopTip (100-1000ul)	5-7mg	50mg
Gel-Loader Tip (MALDI PEN)	5-10ug	1mg