

DIP-it™ Samplers

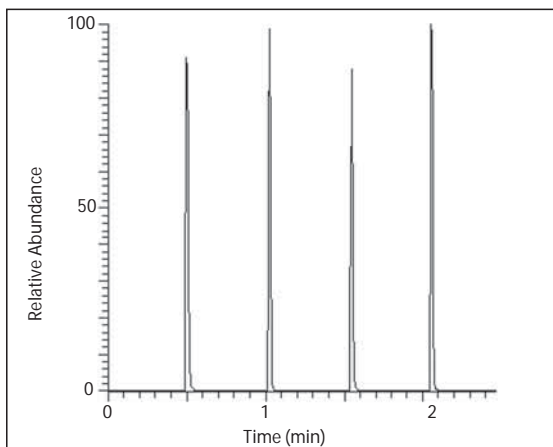
DIP-it™ Samplers offer a convenient means to prepare and position samples for surface desorption analysis by using popular ionization technologies such as direct ionization in real time (DART®) and desorption electrospray ionization (DESI).

DIP-it Samplers come in 96-well plate format for easy use sampling capability, just dip and present for analysis in seconds. Since DART and DESI are ionization methods that permit desorption from surfaces in seconds, we have fabricated these easy-to-use tips for sampling from liquids and solids using a clean glass tube surface. Tips can be picked up with a variety of 100 microliter volume pipettors available from different suppliers. Pushing down on the tip provides the means to pick it up, from that point you can sample by simply dipping the tip into a solution or use another pipettor to deposit sample on the end. Once sample has been applied analysis can be completed by simply ejecting the DIP-it into the self-aligning sampler holder positioned above the ionization region of your

DART source. Ionization occurs in seconds. Removing the DIP-it is as easy as picking it up with your pipettor. The entire analysis is done in seconds.

The true benefit of DIP-it Samplers is in the potential for use with the AutoDART™, our robotic sample positioner. The AutoDART is programmed to pickup the DIP-it sample from solutions, and position the sample laden DIP-it for desorption analysis in seconds. Repetitive analysis are easy and accurate since the geometry of the DIP-it ensures that the same surface area is exposed to the ionization process from one sample to the next.

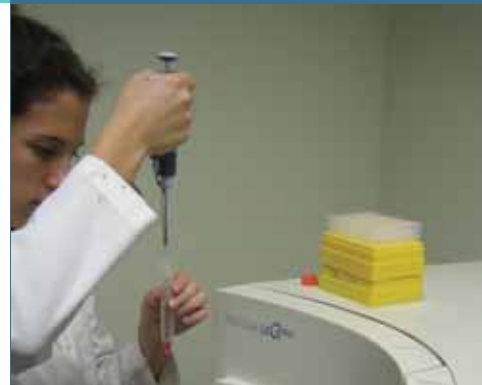
Whether you have a few dozen LC-fractions collected in vials, or a dozen investigators providing you with samples throughout the day, DIP-it Samplers enable consistent presentation of samples for rapid analysis. For a demonstration visit us at www.ionsense.com and look for the DIP-it movie.



**DIP-it Samplers Enable
Improved Positioning
of Samples for
Quantitative Analysis**



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Manual Sampling Using Your Pipettor



Eject DIP-it sample into Self-Aligning Positioner



Optimum Sample Desorption Occurs in Seconds



High Throughput Analysis with AutoDART