

Adding the Dilutor to a PAL extends its sample prep capabilities. It can be used to dispense liquid prior sample injection and combines the "add liquid" and "inject" steps without user intervention or syringe change. Typical applications are dilutions, derivatisations, sample spiking or standard additions. Dilutor syringes up to 10ml ensure large dilution ratios. Another important Dilutor application concerns the injection valve and syringe wash procedure in LC- MS high throughput systems. Replacing the standard Fast Wash Station, the Dilutor can be used to clean the injection syringe as well as the injection valve at the same time. This results in shorter cycle times, which is the key factor in today's screening labs.

Sample derivatisation, dilutions, spiking, standard additions

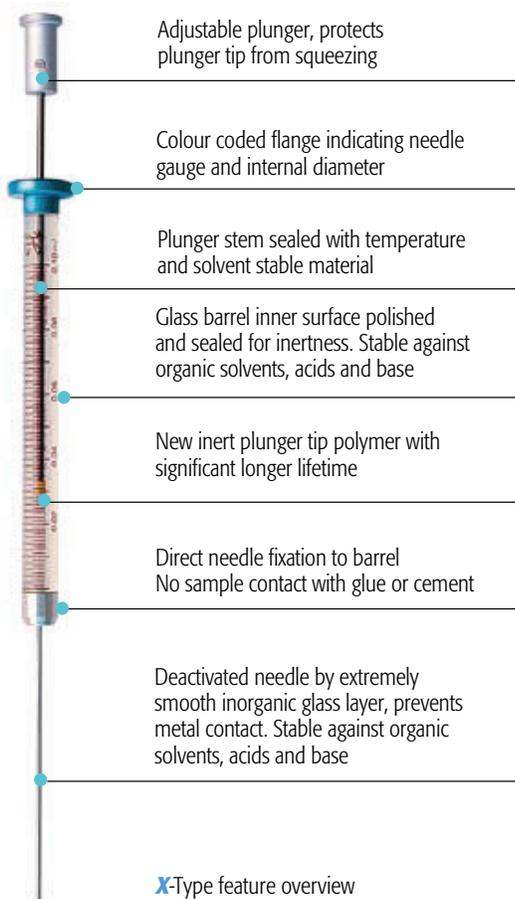
Large dispense volume combined with small injection volume

Accelerated wash steps, cleans syringe and valve at the same time



PAL Dilutor Option

Prep and Load Platform



X-Type feature overview

X-Type Syringe Technology developed for the most sensitive LC-MS Systems

CTC Analytic's developed a high performance generation of HPLC microliter syringes. The main features are near zero carryover and a long-lasting plunger. Tests with critical samples like phospholipids, basic molecules and peptides have shown that carryover can be reduced by a factor of 10 depending on the sample. The life cycle of the plunger is improved as well



X-Type Syringes are available in volumes of 25, 50 and 100µl and various sizes