

**In January 2010, commercial available through Achrom, new product from SGE Analytical Science.**

# **eVol® hand-held automated analytical syringe**

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# eVol®



## Every One an Expert

eVol® is the coupling of two precision devices: a digitally controlled electronic drive and an XCHANGE® enabled analytical syringe.

The result is a digitally controlled positive displacement dispensing system that can be programmed to reproducibly and accurately perform a wide variety of liquid handling procedures. Everyone becomes an expert.

eVol® will improve your laboratory workflow and reporting confidence in many ways. eVol® will be released in January 2010. [Click here to register your interest in eVol.](#)

### Key Benefits

- The programmable digital drive means liquid handling procedures are user-independent, allowing more efficient workflow scheduling and a reduction in the re-analysis of incorrectly processed or false positive samples.
- XCHANGE® analytical syringes can be easily and quickly changed allowing them to be dedicated to individual liquids, and methods, to prevent possible cross-contamination of reagents.



### Precise user-independent dispensing

Unlike air-displacement devices, such as pipettors, eVol® is the perfect solution for accurately aspirating and dispensing both aqueous and non-aqueous liquids.

eVol® features a familiar Touch Wheel user interface and a full-color screen. The clever menu allows all the functions to be accessed logically and quickly. The programming functions are intuitive and include help screens and prompts.

## World's first user calibrated analytical syringe

To comply with your stringent laboratory standards (e.g. GLP, GMP, FDA) eVol® can be easily calibrated to ensure accurate dispensing at all times. The gravimetric calibration procedure is simple, intuitive and can be performed at appropriate intervals. Calibration factors can be stored for up to ten XCHANGE® syringes and can be quickly loaded when the syringe is changed.

### Typical applications for eVol® include:

- Preparation of calibration standards
- Addition of internal standards
- Precise dispensing of non-aqueous liquids
- Sample dilution

Only three XCHANGE® syringes are required to dispense liquid volumes covering the range from 200 nL to 500 µL.

Syringe Capacity (µL)	Volume Range (µL)
500	20-500
50	2-50
5	0.2-5



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