

A hand is holding a black and white eVol pipette. The pipette has a digital display at the top, a control dial with a 'PURGE' button, and a blue 'eVol' logo. The background features a large, stylized water splash graphic. A blue horizontal band is positioned across the middle of the image, containing the main title.

eVol[®] - Every One an Expert

eVol[®] is the **coupling of two precision devices**: a digitally controlled electronic drive and an XCHANGE[®] (patent pending) enabled analytical syringe.

The result is a digitally controlled positive displacement dispensing system that is programmable to **reproducibly and accurately** perform a wide variety of liquid handling procedures.

eVol[®] will improve your laboratory workflow and reporting confidence in many ways.

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 are easily and quickly changed allowing them to be dedicated to individual liquids 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® is 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 are 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)	Color Code	Volume Range (µL)	Accuracy		Precision RSD at full scale
			for calibrated syringe at full scale	for uncalibrated syringe at full scale	
5	Green	0.2 - 5	± 0.2 %	± 1.0 %	0.5 %
50	Purple	2 - 50	± 0.2 %	± 1.0 %	0.4 %
500	Orange	20 - 500	± 0.2 %	± 0.5 %	0.3 %

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