

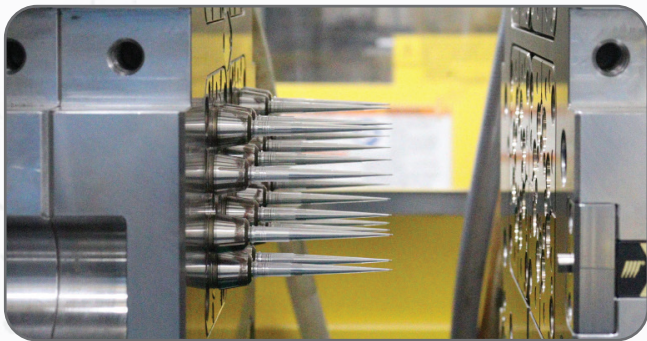
ACCUMAX

ACCUMAX LOW RETENTION TIPS EVERY DROP COUNTS



ACCUMAX LOW RETENTION TIPS IMPROVE PIPETTING ACCURACY BY MAXIMIZING SAMPLE RECOVERY

Some liquids tend to adhere to the pipette tips and adversely affect the confidence interval of the assay, especially during pipetting application involving serial dilution



To overcome this issue Accumax has developed a unique diamond finish Swiss Mold produced from pure polymer which creates a superhydrophobic internal surface that prevents any adhesion and ensures maximum recovery of sample yield

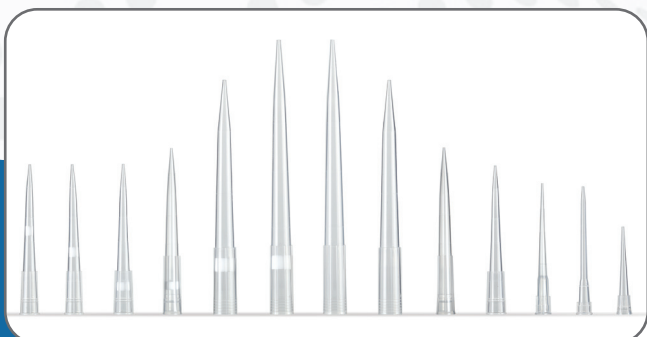
SUPERIOR MANUFACTURING

Our manufacturing process involves no additives of chemicals such as slip agents or biocides and is made from USFDA-approved virgin polypropylene resins without any trace of heavy metals



HIGH QUALITY

Strict quality testing assures the absolute purity of Accumax low retention tips. Each tip is tested free from DNase, RNase, Pyrogen, Human DNA and PCR inhibitors. Concentricity of the flow of liquid is homogenous and are produced aseptically with stringent quality standards in an automated facility



A COMPARATIVE STUDY OF THE LOW RETENTION ACCUMAX TIPS

MATERIALS AND METHOD

In this study liquid retention of various tips were determined from different major manufacturing brands. 1000µl low retention tips from Accumax was compared with three other competitors' tips and were used for UV-VIS Spectrophotometry analysis for checking retention of residual liquid in the tip. The green dye solution was prepared as per below standard concentration range. The standards were scanned in the UV-VIS range from 200-800nm to identify absorbance maxima of the colored dye. Absorbance maximum was observed at 430nm for green color dye.

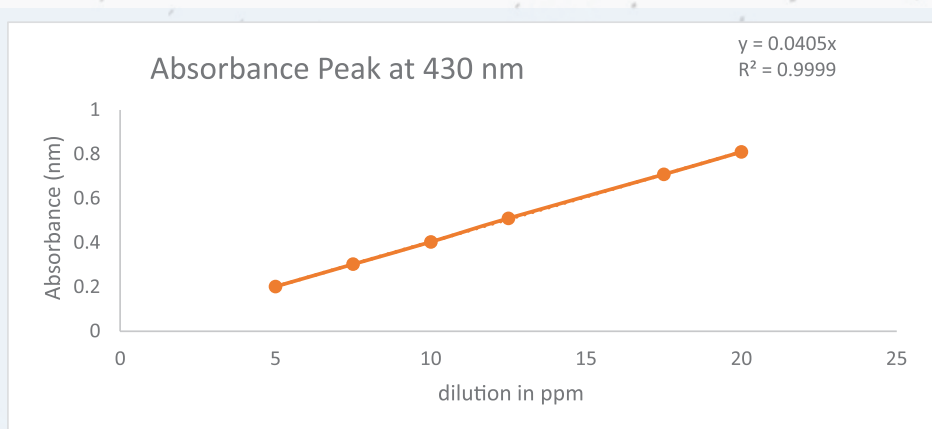


Figure 1: Standard curve generated for green volume dye at 430 nm

RESULT

The retain volumes are illustrated in figure above and are summarised in the table below

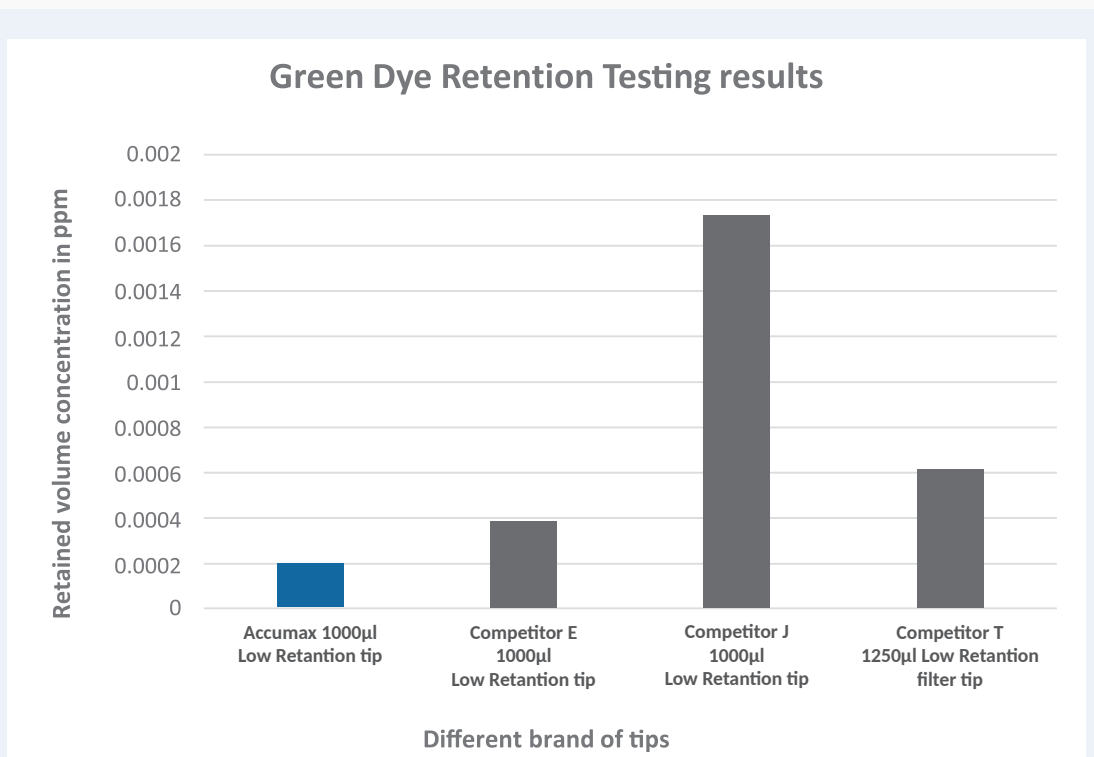


Figure 2: Total volume of liquid retained by each tip.

Accumax low retention tips shows best retention capacity compared to Competitor E tips which is almost two times more than Accumax tips. whereas tips from Competitor J and Competitor T show retention capacity of 8x and 3x less respectively compared to Accumax low retention tips.

PACKAGING OPTIONS:

Racks | Bulk pack | Individually wrap | Reloading stack



ACCUMAX

Accumax Lab Device Pvt. Ltd.
www.accumaximum.com

ISO 9001:2015
ISO 13485:2016

*We also execute OEM projects. Specifications can be changed without notice for quality improvement.