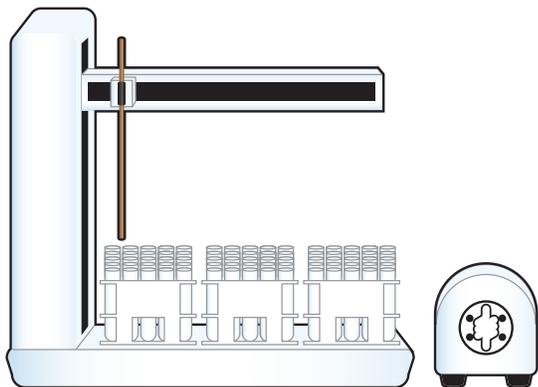
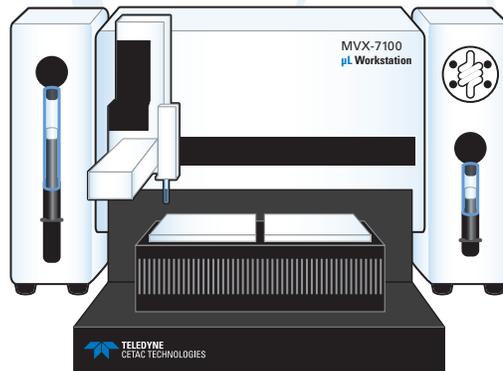


# Benefits of the MVX-7100 $\mu$ L Workstation

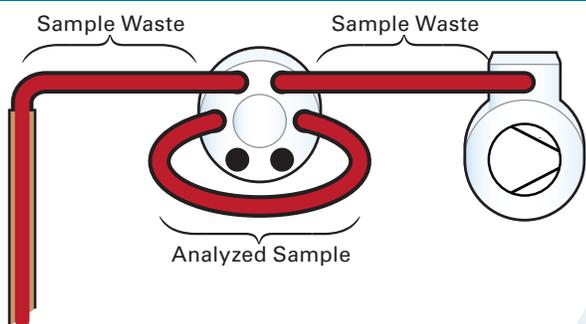
Precious samples come in many different forms from biological cells to infant blood, however one thing that they do have in common, is that they are usually in small volumes. Traditional automation may employ a valve to increase throughput, but little development has been done on limiting sample consumption and increasing sampling efficiency. The MVX-7100  $\mu$ L workstation is the answer to all the different forms of this prevalent problem.



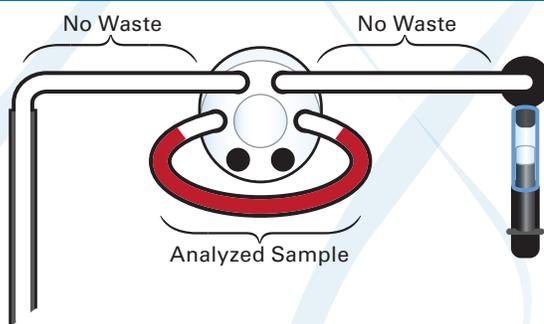
Conventional autosamplers provide limited automation



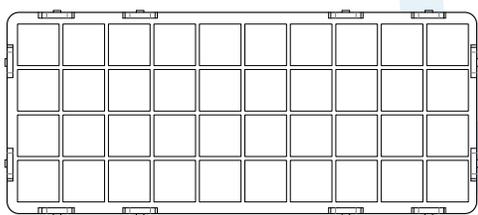
The MVX-7100  $\mu$ L Workstation provides advanced automation



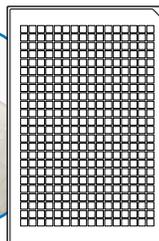
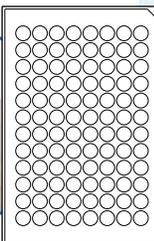
**Sample Consumption** – The sample loop is overfilled, wasting sample by filling the line from probe to valve and making low volume sampling virtually impossible.



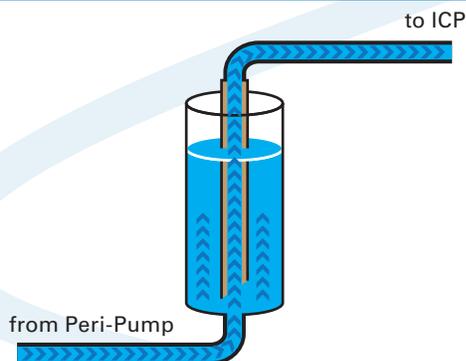
**Precise Sampling** – Just enough sample is pulled into the loop and the entire aliquot is injected for analysis enabling analysis of sample volumes as low as 5  $\mu$ L.



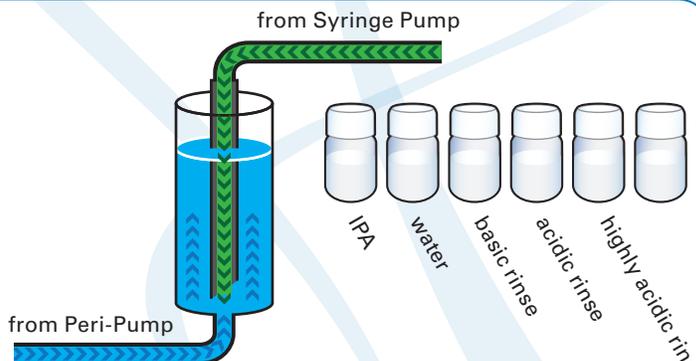
**Sample Prep Volume** – Low precision automation with large vials means more sample prep required which increases volume.



**High Precision Automation** – The ability to use 96-well and 384-well micro plates means less sample is needed.



**Single Rinse Option** – The inside and outside of the probe are rinsed with the same solution, creating opportunity for sample carryover. No reagent options are available for better cleaning.



**Sophisticated Rinsing** – The outside and inside of the sample needle are rinsed in opposing directions with separate solutions. Six reagent positions available to facilitate more complete cleaning.