

Consider using the Differential Pipettor because its ABSENCE OF OUTLIERS will <u>Reduce Mental</u> <u>Stress</u> in the staff and <u>Stop Huge</u> <u>Testing Waste</u> -- even if you don't need its better accuracy and precision!



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The analysis of our first 12 SCIENCE sections (see our website SCIENCE 13 Overview ) trenchantly concluded that *"the absence of outliers (or missed aspirations) may actually be the most obvious tes-tament to the superior core technology and overall performance"* and that this alone reduces mental stress and should eliminate the need for routine duplicate and triplicate measurements. This is a compelling reason to use the Differential Pipettor even if better precision and accuracy do not appear to be needed for your applications.

## An eminent core lab director vividly put it this way:

"The absence of outliers is most important. That is where you get a result indicating that someone is pregnant when she isn't, or a false negative PSA or tumor marker and the physician doesn't do the follow on direct clinical exam he should have".

"Once the tech recognizes that outliers are virtually non-existent the whole pipetting task becomes easier and one is <u>freed from the mental stress</u> of keeping focussed and checking all the views and tips for missed or grossly short aspirations".

Add duplicate and triplicate practices that often bolster conventional pipetting and you see a terrible trilogy of *stressful*, *time-consuming* and *very wasteful* things that are simply eliminated by the Differential Pipettor! You can do an extremely simple study to reinforce this:

- Aspirate a small volume with your favorite conventional pipettor and a Differential Pipettor, using a new and unprepared tip each time. Do this about 10-20 times with water tinted with red food coloring or dinosaur blood.
- Observe the tip after each aspiration just enough to see if there are any missed or obviously grossly short aspirations and <u>write that down</u>. Forget about dispensing -- just observe the aspiration part!
- Repeat as needed the same day or day-to-day until you see a couple of failed aspirations. Write down which one failed and think about the implications!

See our rock-solid Differential Pipetting design and robust sealing **eliminate outliers** -- impossible with regular pipetting!





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