Rainin BioClean Tips

RAININ
Pipetting 360°

Zero Contamination

No Oleamide or DiHEMDA in Rainin Tips

A paper published in Science shows that by using certain polypropylene tips and tubes, experiments can be inhibited and results will be adversely affected.

In a paper published in the November 7th, 2008 issue of Science[1] it was shown that certain brands of pipette tips and tubes negatively affected routine molecular biology experimentation.

A team of researchers had been working on a series of experiments and observed continuous unexpected results. After investigating all possible options they determined that these negative results were due to specific inhibitors that were associated with the "virgin" polypropylene products acquired from Eppendorf, ThermoFisher and Sarstedt.

Mass spectroscopy analysis of material that was washed out from the tubes and tips indicated two compounds from the original manufacturing process that were the likely inhibiting candidates – these were a detergent (DiHEMDA) and a releasing agent (oleamide) commonly used by manufacturers of polypropylene consumable goods.

Immediately after release of this publication Rainin collected a sample of our own polypropylene tips and performed the same analysis used by the authors.

Results from the independent analytical lab indicate ZERO contamination by oleamide and DiHEMDA. This data yet again shows that the Rainin manufacturing and packaging process provides high quality BioClean tips that are completely inert and therefore do not influence the experimental outcome in any way.

Every experiment that a life sciences researcher performs includes a series of lengthy sample perparation steps before the final experimentation and analysis. Each one of those steps may involve a liquid transfer via pipette tip and subsequent exposure to potential contamination that will affect your final result.

By using Rainin BioClean tips for all applications one eliminates this avenue of risk and ultimately saves the researcher time and money.

[1] McDonald, G., Hudson, A., Dunn, S., You, H., Baker, G., Whittal, R., Martin, J., Jha, A., Edmondson, D., and A. Holt. 2008. Bioactive Contaminants Leach from Disposable Laboratory Plasticware. Science 332(5903): 917.

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Mettler-Toledo Rainin, LLC
7500 Edgewater Drive, Oakland, CA 94621
Phone +1 510 564 1600
Fax +1 510 564 1604

www.mt.com/rainin
For more information

Printed on demand from online content. PB-213 Rev C