

Hand-friendly pipettes to mix your emulsions – with RAININ's innovative pipetting systems

Liquid handling in the cosmetics industry typically involves precise pipetting with changing volumes using absolutely clean pipette tips. RAININ, a METTLER TOLEDO company, provides you with innovative product features which not only focus on the aspects of precision and cleanliness but also ensure hand-friendly pipetting. At La Prairie Group, a leading Swiss cosmetics company, for instance, the use of clean and precise tips like RAININ's bioclean™ is especially essential.

Hand-friendly: reduced pipetting forces

Our pipettes utilize unique patented technologies, such as «magnet-assist» and «latch-mode», which reduce the typical excessive pipetting forces of traditional pipettes. Another unique feature is the «LTS LiteTouch Tip Ejection System». LTS is revolutionary because of its cylindrical design, the small but well-defined seal area and a positive stop, thereby reducing tip ejection forces by 85 %.

Clean sampling is critical

Cleanliness is a must when dealing with cosmetics. Absolutely clean tips, free of any contaminants, prevent possible cross-contamination during sample taking and are a precondition for all R&D processes. At La Prairie Group, a leading Swiss cosmetics company, for instance, the use of clean and precise tips like RAININ's bioclean™ is especially essential for the process of determining the minimal concentration of preservatives necessary in their products. This process includes tests

with microbial strains and it is therefore imperative that strain contamination is avoided. RAININ tips originate from class 100,000 clean room manufacturing specially designed for bioclean tip production. With RAININ's pre-sterile tips, racked or individually packaged, you can rest assured that tips will stay clean until usage.

Large volume accuracy

In cosmetics production large volumes of commodities often need to be measured. Adjustable volume pipetting has been limited until recently to 10ml volumes. In the past, strict quality assurance specifications could only be met by repeat pipetting of smaller sample volumes. With RAININ's 20-ml pipettes, the full range of liquid handling from 2 ml to 20 ml is covered. Ten times 2000 µl dispensing can be done fast and sequentially. A complete range of macro-pipettes to choose from helps to make your daily pipetting work more convenient and efficient: various electronic and manual models are

available for 2000 µl, 5000 µl, 10 ml and 20 ml. FinePoint precision tips with exact graduation marks ensure that large volume pipetting is carried out with the same accuracy as smaller volumes.

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