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Q&A (pipette tip)

1. What certification has our pipette tips done?

·Our tips are Dnase, Rnase, pyrogen, endotoxin and ATP free. Conform to ISO13485: 2016 quality control system.The materials conform to the requirements of USP Class VI. Irradiation sterilization does not leave toxic substances on the product like ethylene oxide gas sterilization. Registered abroad as in vitro diagnostic consumables.

2. Which pipettes are compatible with our tips?

Our tips can be compatible with many brands of pipettes, including but not limited to Eppendorf, Thermo, GILSON, Biohit, IKA, brand, etc. Through experiments, we have verified that the use of different pipettes will not leak air or liquid, and can ensure the accuracy of pipetting.

3. How to sterilize the non-sterilized tips and centrifuge tubes at high temperature and pressure?

Autoclaving is a very routine procedure. Sterilization at 121 ° C and 15 PSI for 20 minutes is recommended. For safety, it is recommended to wait until the natural end of the sterilization procedure.

4. How does the tip of the filter element prevent pollution?

Filter tip to prevent pollution mainly by two ways: one is through the aperture, the smaller the aperture is, the more effectively the aerosol can be blocked through; The second is through micro-channel interception, filter fibers interweave into disordered channels, greatly increasing the ability of the filter element to capture aerosols.

5. Customers are worried that the tip of the preinstalled plate of the filter element cannot be kept sterile?

We have verified through experiments that the preloaded plate tip of the filter element can be sterilized at 121℃ for 20 minutes. During sterilization, the plastic packaging is removed, and the packaging is sterilized by newspaper, kraft paper or special sterilization bag.

6. What is the grade of sterile SAL?

Our sterility grade is SAL 10^{-6}.

7. polypropylene tip to organic and inorganic solution tolerance?

A wide variety of reagents are available in the laboratory, and in general the PP material is well tolerated to all kinds of reagents. Therefore, there is usually no significant change even if the tip is exposed to the solvent for 30 days.

Experimental verification, in the test reagents propylene glycol (alcohol), petroleum ether (ether), ethyl acetate (ester), acetic acid (acid), sodium hydroxide (base), dichloromethane, tetrahydrofuran (alkane), DMSO and other commonly used types of reagents immersed in 30 days, no deformation and no corrosion, using 1/10,000 balance weighing, no significant change.

8. Is the release agent used in the production process?

Not used.

9. why some tip with scale?

The tip containing the scale allows the user to observe whether the suction volume of the pipettor is accurate.

10. How many times can the tip rack be sterilized by high temperature and high pressure?

We recommend that customers use our tip rack for autoclaving no more than 3 times.

Conditions: 15 PSI at 121 ° C for 20min.

10. Have our tips been treated with DEPC?

DEPC treatment is designed to make the consumables free of nuclease, whereas Ledger's consumables are all Dnase and Rnase-free. This is based on the result that we control the production process from the raw material. Final product We performed quality checks on the nuclease without additional DEPC processing steps. Its product application is consistent with DEPC-treated consumables, and Ledger products can be used in molecular biology experiments instead of DEPC-treated consumables.

11. What is the process of low retention technology?

Our low retention performance is good because of our unique mold design + manufacturing process + mature material ratio, resulting in good performance. We refuse to use any release agents, lubricants and other materials that affect the experimental results.

12. Can low retention products be sterilized?

No. If a sterile product is required, the corresponding sterilized product can be purchased. If the customer sterilizes by himself, it may affect the ultra-low retention surface, thus affecting the performance.

14. Can the tip of filter element be sterilized?

No. If a sterile product is required, the corresponding sterilized product can be purchased. If the customer sterilizes by himself, it may affect the sealing of the filter element, thus affecting the performance.

15. Is the color difference of sterilized tips normal?

Normal. Due to the particularity of the sterilization process, the dose absorbed by the product during the sterilization process is not consistent, which will lead to a slight difference in the color of the product. However, this does not affect the sterility of the product. All our sterilized products have been verified for sterilization, and we can provide a report.

16. Users use our tips feedback hanging liquid situation?

Our tip has low retention products and ordinary products, ordinary tip will have a small amount of residue, but compared with the same products of competitive products, it is still a product with less residue and better effect. If the user's experiment requires strict low residue and low retention, it is recommended that the user use our low retention products to ensure the experimental effect.