Rainin BioClean Tips



BioClean tips from Rainin showed no traces of such additives or bioactive contaminants, in internal quality controls and in external audits. The absence of bioactive components in the raw materials, as well as the proven lack of external contaminants (DNA, DNAse, RNAse, ATP, Pyrogens, or PCR Inhibitors) in the production and packaging processes, ensures that high-quality Rainin BioClean tips are completely inert and will not influence experimental outcome in any way. A safe investment in your lab performance.



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Maximum Performance

with Zero Interference



Not all tips are the same. For optimal performance and experiment success, tips have to be of highest quality, contamination-free, and totally inert, so as to avoid affecting results. At Rainin, we use every conceivable measure to ensure the very highest tip quality.

The Purest Material

Rainin uses pure virgin polypropylene resin in the form of CFR 21 certified² pellets, free of any additives or dyes, and extensively tested.

Clean Manufacturing and Packaging

Rainin's tip manufacturing facility is a Class 100,000 clean room. The fully automated material handling process feeds virgin polypropylene material from silos directly into molding machines, avoiding any human contact. Tips are molded at high temperatures – 250°C. In addition to absolute material purity, Rainin's strict conformance to ISO 9001 manufacturing procedures ensure the elimination of any external sources of contamination.

Tested for Maximum Safety

Rainin BioClean tips pass the most sophisticated testing protocols. For example, a test for DNA applies gPCR with sensitivity levels down to less than 1 copy number of human template DNA, so even the smallest trace amounts are detected. Because the most stringent test methods are applied to all potential contaminants (DNA, DNase, RNase, ATP, Pyrogens, PCR inhibitors, trace metals, trace organics), you can rely on Rainin BioClean tips to be the safest in the market.



Clean room manufacturing



Automated handling eliminates human contact.



Automated filter assembly, no human contact

- 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.
- 2. CFR Title 21 (2003) 177.1520 (a), (b) and (c) 1.1 Olefin polymers, Montell Polyolefins Datasheet

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For more information

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