







## **Maximum Performance**

### with Zero Interference

Not all tips are the same. To achieve optimal performance and experiment success, tips must be of highest quality, and need to be 100% inert to avoid influence on experiment outcome. At RAININ we take all conceivable measures to ensure highest tip quality.

#### The Purest Material

RAININ's pure virgin polypropylene tip resin is purchased as CFR 21 certified<sup>[2]</sup> pellets, free of any kind of additives or dyes, and is extensively tested.

#### **Clean Production and Packaging**

RAININ's tip manufacturing facility is in a class 100,000 clean room and its fully automated material handling process feeds the virgin polypropylene material from silos directly into molding machines and packaging. During this process no additives or dyes are used, therefore the tip material remains 100% pure.

Next to guaranteeing absolute material purity, RAININ's ISO 9001 compliant manufacturing procedures ensure total elimination of external sources of contamination.

#### **Best Tested for Maximum Safety**

RAININ BioClean tips pass the most sophisticated testing procedures available today. With methods such as qPCR and sensitivity levels of up to 10-9 Kunitz, even the smallest amounts of traces are detected. As these most stringent test methods are applied to all possible contaminants (DNA, DNAse, ATP, Endotoxins, PCR inhibitors, trace materials, trace organics), RAININ's inert BioClean tips are the safest on the market.

Contaminants Tested	Testing Detection Levels
RNase	≤ 10 <sup>-9</sup> Kunitz units/µI
DNase	≤ 10 <sup>-7</sup> Kunitz units/µI
DNA	< 1 copy human DNA
Pyrogens (LAL test)	0.001 EU/mI
ATP	< 10 <sup>-12</sup> mg/μl

Best tested for maximum safety.

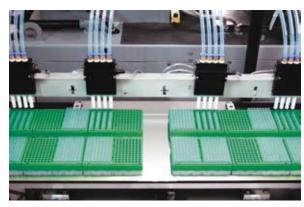
# **bio**clean.



Internal tip inspection



Clean room manufacturing



Automated handling eliminates 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



Quality certificate ISO9001 Environment certificate ISO14001



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