

DEALING WITH CONTAMINATION



Contamination can happen at any time, requiring additional decontamination procedures to maintain pipette integrity, accuracy and avoid cross contamination of future samples.

CONTAMINANT	DECONTAMINATION SOLUTION*
Aqueous solutions	70 % ethanol
Organic solvents	Detergent
Radioactive solutions	High-strength radioactivity decontamination solution
Proteins	Detergent (do not use alcohol, as it will coagulate proteins!)
RNase	95 % ethanol and an additional 10-minute soak in 3 % hydrogen peroxide, then wipe with distilled water
DNA/RNA	10 % bleach and an additional wipe with isopropyl alcohol

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*Don't forget to check the chemical compatibility of your pipette for the decontamination reagents before use.



Different types of contaminants require different types of cleaning solutions. After cleaning, wipe the pipette with 70 % ethanol and allow it to air dry.



Apart from care and maintenance, you should always follow pipetting best practices to ensure maximum accuracy. An additional calibration routine, at least every 12 months, keeps pipettes working at their best. Cleaning, maintaining, following routine checks and performing calibrations not only give pipettes a long lifetime of precision activity, but also keep you and other laboratory members safe from malfunction and contamination.