

Problem	Possible Reasons	What to do?
Microbial contamination	Improper sterile working technique	Work according to the guidelines for good cell culture practice (GCCP): <ul style="list-style-type: none"> <li>▪ Disinfect laminar flow and all equipment before you start</li> <li>▪ Sterilize your hands/gloves</li> <li>▪ Beware of renewed loss of sterility inside the bench</li> <li>▪ Don't move over opened bottles, flasks, or dishes</li> <li>▪ Avoid creating air turbulence</li> <li>▪ Don't block the ventilation holes</li> <li>▪ Immediately remove spilled liquid</li> <li>▪ Perform regular technical check-ups of laminar flow</li> </ul>
	Contaminated cells	Check other cryovials
	Contaminated tissue	Disinfection or germ reduction processes
	Contaminated medium or reagents	Perform sterility tests of solutions (media, buffers, trypsin/EDTA, etc.)
	Contaminated coating solution	Check; use fresh coating solution
	Contaminated pipettes, pipette tips, or plasticware	Check; clean pipettes
	Contaminated incubator	Clean and disinfect incubator, change water; add disinfectant to the water tray (e.g. Aquaguard-1 from PromoKine)
	Water in water bath contaminated	Clean water bath, add fresh water, add disinfectant (e.g. Aquaguard-2 from PromoKine)

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