Trouble Shooting Cell Culture



Problem	Possible Reasons	What to do?
Change of cell morphology	Cross-contamination with other cultured cells/cell lines	Check sterile working technique; only work with one cell line/cell type at a time; use separate media bottles for each cell type
	Unspecific isolation protocol	Improve isolation protocol
	Shift from serum-containing to serum-free medium or other modification of media composition	Check with medium used before
	Mycoplasma contamination	Detect and eliminate; use sterile techniques according to the guidelines for good cell culture practice
	Cells have become senescent or have terminally differentiated	Freshly isolate or thaw cells from stock; check your culture conditions

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