

Genomics and Proteomics Core Facilities
- Contamination Control

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***Mycoplasma* removal in cell cultures**

The following protocol is designed to remove *Mycoplasma* from cell cultures*. The antibiotics (see below) should NOT be mixed in one media as this will substantially harm your cells. We recommend treating each affected cell line in parallel using the following three antibiotics.

Material:

Name	Company	Cat. Nr.
<i>Mycoplasma</i> Removal Agent (MRA)	MP	30-500-44
Ciprofloxacin Hydrochloride	US Biological	C5075
BM-Cyclin	Roche	799050

Procedure:

- Split your *Mycoplasma*-positive cell line in three 5ml aliquots (one aliquot per antibiotic). Add the antibiotic according to the manufacturer's instructions.
 - **Monolayer:**
 - Allow the cells to grow 4-8h
 - Remove media
 - Wash with PBS
 - Add antibiotic-containing media to cells
 - **Suspension culture:**
 - Centrifuge, 5-10 min. at 1,500 rpm
 - Resuspend cell pellet in antibiotic-containing media
 - After 3-4 days change the antibiotic-containing media

Duration of treatment: 2 weeks

After the treatment: Grow the cells without antibiotics for 2 weeks, then repeat *Mycoplasma* test

* the GPCF accepts no liability for the success of this protocol.