

Title	Leishmania culture		
Protocol Number	PARA19001	Written by	Duha A.
Adapted from	CFP Labs	Version	1.0
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L. infantum strains

1. Wild type strains *L. infantum* MHOM/MA/67/ITMAP-263 wild-type
Sensitive to drugs
2. Sb2000.1
Resistant to >2000 µM of SbIII
3. MF200.5
Resistant to > 200 µM of MF
4. AmB1000.1
Resistant to > 1000 nM of AmB

Parasite culture:

- Parasites are grown in sealed (non-vented) T-25 flasks in parasite culture media (SDM or M199).
- Completed culture media contains 10% FBS and 1mL hemin (conc. of 5 ug/mL).
- Leishmania is incubated at 25°C
- The parasites are passaged every 3-4 days

Passages and culture

- Parasites are allowed to grow in 5 mL of culture media (M199 or SDM)
- WT is passaged in culture media only
- Sb is passaged in culture media + 200 µL (from the 50mM stock) antimony III solution
- MF is passaged in culture media + 200 µL (from 5mM stock) miltefosine solution
- AmB is passaged on culture media + 18 µL (from 270mM stock) amphotericin B solution