Optimized infection models with *Flavobacterium psychrophilum*

Lone Madsen

DTU VET

October 2015

Infection models - outcome depending on

* + Challenge isolate
  + Fish density in tank?
  + Origin of fish
  + Fish size

Cohabitation

* No mortalities

Bath challenge

* Low mortalities
* Reproducibility?
* Stressors (e.g. high fish density in the infection tank) to increase infection

Intraperitoneal injection

* High reproducibility
  + 1-3 g fish: 104 cfu/fish >60 % mortality day 28 pi
  + >10 g fish: 107 cfu/fish >60 % mortality day 28 pi