

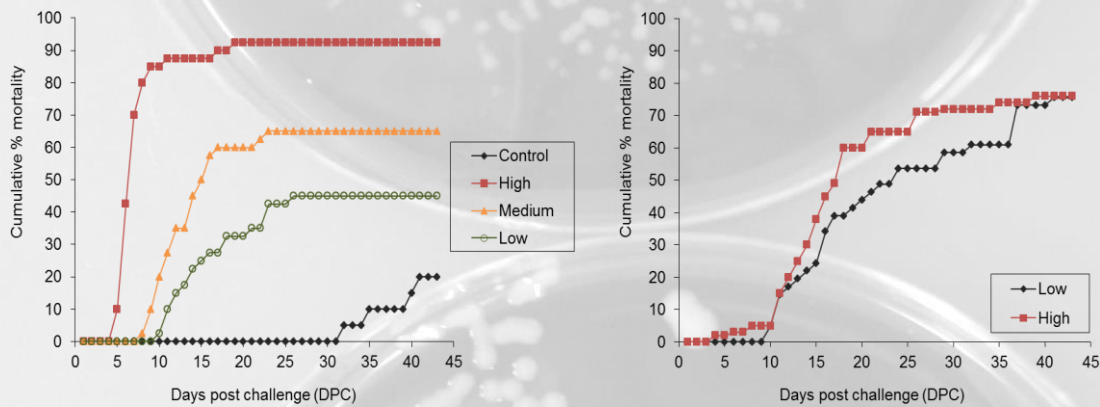
ATLANTIC COD - *FRANCISELLA* SP.

Introduction

Francisella is an intracellular bacterium that causes the systemic granulomatous inflammatory disease francisellosis in cod. VESO Vikan offers challenge models with *Francisella* sp.

Challenge models to evaluate the effect of vaccination

Cod are acclimatized for a minimum of one week before challenge by i.p. injection or immersion. After challenge, mortality is recorded during an observation period of two to three weeks. Evaluation of the potency of the vaccine is based on differences in mortality in vaccinated and unvaccinated fish.



Mortality in groups of unvaccinated cod challenged with different doses of *Francisella* sp. Left: i.p. challenge, right: bath challenge.

Available models

Cod		Water			Challenge model		
Small	Large	FW	SW	°C	Ip	Bath	Cohab
	X		X	15	X	X	