

SAMPLING PROTOCOL BACTERIOLOGY – AGAR

This guide describes PatoGen's overview of which agar types are best suited for the different bacteria.

Bacterium names	Freshwater	Saltwater	Growth medium
Gram negative bacterium (-)			
Aeromonas salmonicida subsp. salmonicida (type 1)	X	X	Bloodagar, BAS, TSA, TYE, BHIA
Aeromonas salmonicida subsp. salmonicida (type 2-23)	X	X	Bloodagar, BAS, TSA, TYE, BHIA
Vibrio anguillarum		X	BAS, TSA, TSA (+NaCl), TCBS
Vibrio salmonicida, V. Logei		X	BAS, TSA, TSA (+NaCl)
Yersinia ruckeri	X	X	Bloodagar, BAS, TSA
Aliivibrio (Vibrio) wodanis		X	BAS, KABAMA*, TSA (+NaCl)
Moritella Viscosa		X	BAS, KABAMA*
Tenacibaculum spp.		X	Marine agar, KABAMA*
Tenacibaculum maritimum		X	Marine agar
Flavobacterium psychrophilum	X	X	Anacker-Ordal, KDM, Cytophaga agar (or other low nutrient equivalent)
Pseudomonas fluorescens	X		Bloodagar, BAS, TSA
Pasteurella skyensis		X	BAS
Pasteurella sp (atlantica)		X	BAS
Piscirickettsia salmonis		X	CHAB, Austral-Hem
Francisella noatunensis supsp. noatunensis		X	CHAB

Gram positive bacterium (+)			
Renibacterium salmoninarum	X	X	KDM/SKDM
Acid-fast bacterium			
Mycobacterium salmoniphilum-group	X	X	Middlebrook, bloodagar, TSA, Lowenstein-Jensen
Mycobacterium marinum-group	X	X	Middlebrook, bloodagar, Lowenstein-Jensen
Nocardia sp. (closely related to Mycobacterium spp.)	X	X	Middlebrook, bloodagar

The text that is marked in blue is experiences outside the Norwegian market.

*Kahrs, I.E.B. (2024) 'Development of selective agars for the isolation of Tenacibaculum spp. from ulcerative diseases in aquaculture, with emphasis on Norwegian salmon farming'. Department of Biological Science, UiB.