

APPENDIX B – *Results Overview*

Appendix B

Table I – Survival rate (%) of *D. labrax* larvae from batch B, during the eleven-day incubation period in multi-well test plates following egg exposure to different surface disinfection treatments.

Treatment Group	Survival Rate (%)					
	DAH 2	DAH 4	DAH 6	DAH 8	DAH 10	DAH 11
Control	91.67±11.69	88.33±19.41	91.67±20.41	91.67±20.41	98.15±4.54	86.43±18.15
Disinf. Iodine	96.25±5.86	95.54±6.94	98.15±4.54	95.95±6.42	88.80±7.98	86.79±15.34
Disinf. Gluteraldehyde+2Antib.	92.59±18.14	98.33±4.08	98.33±4.08	98.33±4.08	87.50±30.62	98.33±4.08
Disinf. Gluteraldehyde+4Antib.	98.33±4.08	93.33±8.16	88.66±17.22	98.33±4.08	96.67±8.16	92.47±9.91

Data represent survival mean values and standard deviation from treatment replicates (n=6 per day, for each treatment group).

Tukey's pair-wise comparisons after Bonferroni adjustments, confirmed that there were no significant differences ($p>0.05$) between treatment groups.

Table II –Evaluation, along a thirteen-day incubation period, of the outcome effect in the survival rate (%) on sea bass larvae, incubated in two different rotation devices (*Rotor A* and *Rotor B*), compared with the results obtained in the motionless (*Static*) experimental setup based on larvae incubation on undisturbed multi-well test plates.

Treatment Group	Survival Rate (%)					
	DAH 3	DAH 4	DAH 6	DAH 9	DAH 13	
Static	Control	94.00±8.94 ^{ac}	75.11±16.42 ^{ac}	NP	22.18±39.38 ^{ac}	0.00±0.00 ^{ac}
	Disinf. Gluteraldehyde+2Antib.	98.00±4.47 ^{bc}	91.50±8.59 ^{bc}	NP	87.33±5.36 ^{bc}	76.00±13.51 ^{bc}
Rotor A 1rpm	Control	50.00±29.44 ^{ad}	NP [§]	0.00±0.00 ^{ad}	0.00±0.00 ^{ad}	0.00±0.00 ^{ad}
	Disinf. Gluteraldehyde+2Antib.	67.78±19.58 ^{bd}	NP	47.50±12.58 ^{bd}	32.50±18.93 ^{bd}	36.67±20.82 ^{bd}
Rotor B 4rpm	Control	58.00±13.04 ^{ad}	NP	4.00±8.94 ^{ad}	4.00±8.94 ^{ad}	0.00±0.00 ^{ad}
	Disinf. Gluteraldehyde+2Antib.	84.44±13.24 ^{bd}	NP	70.00±0.00 ^{bd}	70.00±21.60 ^{bd}	52.50±17.08 ^{bd}

Data represent survival mean values and standard deviation from batch D replicates (n≥4 per treatment group). Different superscripts letters within a column denote significant statistical differences (Tukey test, $p<0.05$).

§ Assay not performed.

Table III – Evaluation of different holding regimes concerning the effect that selected individual microorganism strains had on the performance and survival rate (%) of grown gnotobiotically incubated *D. labrax* larvae.

Treatment Group	Survival Rate (%)						
	DAH 3	DAH 4	DAH 6	DAH 7	DAH 9	DAH 13	
Rotor B - 4rpm	Control	58.00±13.04 ^a	NP	4.00±8.94 ^a	NP	4.00±8.94 ^a	0.00±0.00 ^a
	Gluteraldehyde+2Antib.	84.44±13.24 ^b	NP	70.00±0.00 ^b	NP	70.00±21.60 ^b	52.50±17.08 ^b
	<i>LVS</i> ₃ α	NP [§]	47.50±22.17 ^a	NP	45.00±31.09 ^a	NP	40.00±18.26 ^a
	<i>LVS</i> ₃ β	NP	81.67±4.93 ^b	NP	55.00±17.32 ^b	NP	65.00±12.91 ^b
	WT	NP	80.00±11.55 ^b	NP	67.50±22.17 ^b	NP	62.50±22.17 ^b
	Mnn 9	NP	81.94±12.78 ^b	NP	62.50±17.08 ^b	NP	70.00±18.26 ^b

Data represent survival mean values and standard deviation from batch D replicates (n=4 per treatment group). Different superscripts within a column denote significant differences (Tukey test, $p<0.05$).

§ Assay not performed.