

SUPPLEMENTARY MATERIAL

DOI: 10.4081/ijfs.2024.12403

Surface carcass treatment with olive mill wastewater polyphenolic extract against *Salmonella* Enteritidis and *Listeria monocytogenes*: *in vitro* and *in situ* assessment

Caterina Altissimi,¹ Rossana Roila,¹ Sara Primavilla,² Raffaella Branciarì,¹
Andrea Valiani,² David Ranucci¹

¹Department of Veterinary Medicine, University of Perugia; ²Experimental Zooprophyllactic Institute of Umbria and Marche “Togo Rosati”, Perugia, Italy

Correspondence: David Ranucci, Department of Veterinary Medicine, University of Perugia, Via San Costanzo 4, 06121 Perugia, Italy.
Tel.: +39 075 585 7931.
E-mail: david.ranucci@unipg.it

Key words: antimicrobials, by-products, bactericidal activity, bacteriostatic activity, carcass contamination.

Supplementary Table 1. Data for the three trials conducted to evaluate the effect of olive mill wastewater polyphenolic extract application against *Listeria monocytogenes* (initial inoculums 2 Log CFU/ 20cm²).

Time	Treatments	Trial1	Trial2	Trial3
T0	C	1.38	1.68	1.20
		1.47	1.66	1.29
		1.54	1.70	1.12
T1	C	3.12	3.10	2.59
		3.13	3.13	2.56
		3.16	3.08	2.41
	T	1.89	1.79	1.50
		1.99	1.76	1.56
		1.96	1.78	1.35
T2	C	4.74	5.16	5.20
		4.82	5.20	5.22
		4.80	5.17	5.20
	T	3.88	3.24	4.23
		3.77	3.39	4.21
		3.78	3.53	4.21
T3	C	6.75	7.11	7.31
		6.79	7.29	7.12
		6.82	7.14	7.22
	T	5.95	5.61	6.21
		5.77	5.30	6.01
		5.70	5.50	5.73
T4	C	7.21	7.69	7.49
		6.90	7.64	7.45
		7.03	7.66	7.43
	T	7.10	6.78	6.85
		6.91	6.90	6.97
		6.91	7.04	6.99

Value in Log/cm²; T0, T1, T2, T3, T4, 0, 3, 7, 14, 21 days from treatment, respectively; C, control samples without polyphenolic extract; T, treated with polyphenolic extract.