

Table S4. Results of fourth different storing methods to preserve samples during in-field activities. Highly infested *A. pallipes* specimens were collected during a crayfish plague outbreak in the restocking facility in Friuli Venezia Giulia Region-Northern Italy in December 2013 (LIFE RARITY project). The absolute quantifications was expressed in copies/μl and noted was in scientific notation. Estimated quantification below LoD level reported in brown; N/A means no detected amplification or concordance between replicates. End-point PCR outcomes were reported as: positive (+) and negative (-). *, indicates faint amplification.

Sample	IZSve Sample ID	Average Cr	Standard Deviation	Log Starting Quantities	PFU (copies/μl)	end point PCR
cuticles	160/ITT/20.1	27.05	0.21	3.2690564	1.86 × 10 ³	+
cuticles	160/ITT/20.2	25.15	0.13	3.8433174	6.97 × 10 ³	+
cuticles	160/ITT/20.3	27.78	0.37	3.0484193	1.12 × 10 ³	+
cuticles	160/ITT/20.4	28.33	0.13	2.8821858	7.62 × 10 ²	+
cuticles	160/ITT/20.5	23.71	0.07	4.2785468	1.90 × 10 ⁴	+
cuticles	160/ITT/20.6	25.91	0.16	3.613613	4.11 × 10 ³	+
cuticles	160/ITT/20.7	29.06	0.09	2.6615487	4.59 × 10 ²	+
cuticles	160/ITT/20.8	25.87	0.08	3.6257027	4.22 × 10 ³	+
cuticles	160/ITT/20.9	29.51	0.23	2.5255395	3.35 × 10 ²	+
cuticles	160/ITT/20.10	24.63	0.08	4.0004836	1.00 × 10 ⁴	+
cuticles	160/ITT/20.11	28.13	0.17	2.9426343	8.76 × 10 ²	+
cuticles	160/ITT/20.12	25.42	0.26	3.7617119	5.78 × 10 ³	+
cuticles	160/ITT/20.13	27.89	0.36	3.0151726	1.04 × 10 ³	+
cuticles	160/ITT/20.14	29.02	0.39	2.6736384	4.72 × 10 ²	+
cuticles	160/ITT/20.15	23.24	0.02	4.4206009	2.63 × 10 ⁴	+
cuticles	160/ITT/20.16	26.34	0.04	3.4836487	3.05 × 10 ³	+
cuticles	160/ITT/20.17	29.86	0.14	2.4197546	2.63 × 10 ²	+
cuticles	160/ITT/20.18	22.59	0.37	4.6170586	4.14 × 10 ⁴	+
cuticles	160/ITT/20.19	22.34	0.08	4.6926192	4.93 × 10 ⁴	+
cuticles	160/ITT/20.20	27.86	0.26	3.0242399	1.06 × 10 ³	+
Swabs - Dry, -80°C	160/ITT/20.1	26.78	0.16	3.3506619	2.24 × 10 ³	+
Swabs - Dry, -80°C	160/ITT/20.2	29.4	0.04	2.5587862	3.62 × 10 ²	-
Swabs - Dry, -80°C	160/ITT/20.3	26.77	0.04	3.3536843	2.26 × 10 ³	+
Swabs - Dry, -80°C	160/ITT/20.4	24.3	0.16	4.1002237	1.26 × 10 ⁴	+
Swabs - Dry, -80°C	160/ITT/20.5	24.7	0.08	3.9793266	9.54 × 10 ³	+
Swabs - Dry, -80°C	160/ITT/20.6	26.6	0.32	3.4050656	2.54 × 10 ³	+
Swabs - Dry, -80°C	160/ITT/20.7	29.29	0.18	2.5920329	3.91 × 10 ²	-
Swabs - Dry, -80°C	160/ITT/20.8	26.52	0.38	3.429245	2.69 × 10 ³	+
Swabs - Dry, -80°C	160/ITT/20.9	24.63	0.05	4.0004836	1.00 × 10 ⁴	+
Swabs - Dry, -80°C	160/ITT/20.10	24.59	0.13	4.0125733	1.03 × 10 ⁴	+
Swabs - EtOH, RT	160/ITT/20.11	23.34	0.33	4.3903766	2.46 × 10 ⁴	+
Swabs - EtOH, RT	160/ITT/20.12	27.49	0.11	3.1360696	1.37 × 10 ³	+
Swabs - EtOH, RT	160/ITT/20.13	23.38	0.01	4.3782869	2.39 × 10 ⁴	+
Swabs - EtOH, RT	160/ITT/20.14	22.69	0.15	4.5868343	3.86 × 10 ⁴	+
Swabs - EtOH, RT	160/ITT/20.15	26.50	0.06	3.4352899	2.72 × 10 ³	+
Swabs - EtOH, RT	160/ITT/20.16	23.49	0.25	4.3450402	2.21 × 10 ⁴	+
Swabs - EtOH, RT	160/ITT/20.17	26.65	0.33	3.3899535	2.45 × 10 ³	.*
Swabs - EtOH, RT	160/ITT/20.18	25.18	0.07	3.8342501	6.83 × 10 ³	+
Swabs - EtOH, RT	160/ITT/20.19	22.68	0.24	4.5898567	3.89 × 10 ⁴	+
Swabs - EtOH, RT	160/ITT/20.20	27.61	0.28	3.0998005	1.26 × 10 ³	+

Continue

Sample	IZSVe Sample ID	Average C _T	Standard Deviation	Log Starting Quantities	PFU (copies/μl)	end point PCR
Swabs - Lysis Buffer, +4°C	160/ITT/20.1	31.43	0.30	1.9452336	8.82 × 10 ¹	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.2	29.79	0.11	2.4409116	2.76 × 10 ²	.*
Swabs - Lysis Buffer, +4°C	160/ITT/20.3	30.25	0.15	2.3018799	2.00 × 10 ²	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.4	31.5	0.05	1.9240766	8.40 × 10 ¹	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.5	28.35	0.18	2.876141	7.52 × 10 ²	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.6	32.92	0.22	1.4948921	3.13 × 10 ¹	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.7	28.58	0.16	2.8066252	6.41 × 10 ²	.*
Swabs - Lysis Buffer, +4°C	160/ITT/20.8	32.92	0.18	1.4948921	3.13 × 10 ¹	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.9	29.87	0.30	2.4167322	2.61 × 10 ²	-
Swabs - Lysis Buffer, +4°C	160/ITT/20.10	29.97	0.33	2.3865079	2.44 × 10 ²	-
Swabs - Dry, +4°C	160/ITT/20.11	34.96	0.25	0.8783171	7.56 × 10 ⁰	-
Swabs - Dry, +4°C	160/ITT/20.12	30.4	0.20	2.2565436	1.81 × 10 ²	-
Swabs - Dry, +4°C	160/ITT/20.13	28.59	0.23	2.8036027	6.36 × 10 ²	.*
Swabs - Dry, +4°C	160/ITT/20.14	29.05	0.54	2.6645711	4.62 × 10 ²	-
Swabs - Dry, +4°C	160/ITT/20.15	29.09	0.21	2.6524814	4.49 × 10 ²	-
Swabs - Dry, +4°C	160/ITT/20.16	35.56	0.11	0.6969715	4.98 × 10 ⁰	-
Swabs - Dry, +4°C	160/ITT/20.17	28.73	0.34	2.7612888	5.77 × 10 ²	.*
Swabs - Dry, +4°C	160/ITT/20.18	30.01	0.68	2.3744182	2.37 × 10 ²	-
Swabs - Dry, +4°C	160/ITT/20.19	29.68	0.21	2.4741583	2.98 × 10 ²	-
Swabs - Dry, +4°C	160/ITT/20.20	29.22	0.24	2.6131899	4.10 × 10 ²	.*