

Table S3: Microbiological results of the ice cream samples without inclusion

Results of different microbiological parameters obtained for 81 samples of industrial ice cream sampled at different stores of the mass-market retailers in Italy. All the ice cream samples were milk-based and had no inclusions. See the specific ID in Table S1 for details about ice cream flavor. Analyzes were performed on 25 g of sample and the results are expressed as colony forming units (cfu)/g.

ID	Aerobic colonies enumeration	<i>Enterobacteriaceae</i> enumeration	Coagulase-positive Staphylococci enumeration	<i>Listeria monocytogenes</i> detection	<i>Listeria monocytogenes</i> enumeration	<i>Salmonella</i> spp. detection
7	50	< 10	< 100	Not detected	Not detected	Not detected
14	470	40	< 100	Not detected	Not detected	Not detected
18	180	< 10	< 100	Not detected	Not detected	Not detected
19	80	< 10	< 100	Not detected	Not detected	Not detected
24	70	< 10	< 100	Not detected	Not detected	Not detected
30	60	< 10	< 100	Not detected	Not detected	Not detected
47	120	< 10	< 100	Not detected	Not detected	Not detected
48	130	< 10	< 100	Not detected	Not detected	Not detected
50	90	< 10	< 100	Not detected	Not detected	Not detected
58	150	< 10	< 100	Not detected	Not detected	Not detected
70	50	20	< 100	Not detected	Not detected	Not detected
79	110	< 10	< 100	Not detected	Not detected	Not detected
80	150	< 10	< 100	Not detected	Not detected	Not detected
82	30	< 10	< 100	Not detected	Not detected	Not detected
84	280	< 10	< 100	Not detected	Not detected	Not detected
87	190	< 10	< 100	Not detected	Not detected	Not detected
89	360	60	100	Not detected	Not detected	Not detected
92	110	< 10	< 100	Not detected	Not detected	Not detected
94	220	< 10	< 100	Not detected	Not detected	Not detected
95	50	< 10	< 100	Not detected	Not detected	Not detected
97	360	< 10	< 100	Not detected	Not detected	Not detected
98	110	< 10	< 100	Not detected	Not detected	Not detected
101	40	< 10	< 100	Not detected	Not detected	Not detected
103	150	< 10	< 100	Not detected	Not detected	Not detected
104	220	20	< 100	Not detected	Not detected	Not detected
105	80	< 10	< 100	Not detected	Not detected	Not detected

107	20	< 10	< 100	Not detected	Not detected	Not detected
109	300	10	< 100	Not detected	Not detected	Not detected
111	90	< 10	< 100	Not detected	Not detected	Not detected
112	190	< 10	< 100	Not detected	Not detected	Not detected
113	40	< 10	< 100	Not detected	Not detected	Not detected
114	400	10	< 100	Not detected	Not detected	Not detected
115	290	< 10	< 100	Not detected	Not detected	Not detected
117	60	< 10	< 100	Not detected	Not detected	Not detected
120	20	< 10	< 100	Not detected	Not detected	Not detected
122	210	< 10	< 100	Not detected	Not detected	Not detected
124	310	< 10	< 100	Not detected	Not detected	Not detected
125	80	< 10	< 100	Not detected	Not detected	Not detected
127	60	< 10	< 100	Not detected	Not detected	Not detected
128	280	20	< 100	Not detected	Not detected	Not detected
129	20	< 10	< 100	Not detected	Not detected	Not detected
130	40	< 10	< 100	Not detected	Not detected	Not detected
133	140	< 10	< 100	Not detected	Not detected	Not detected
134	70	< 10	< 100	Not detected	Not detected	Not detected
136	50	< 10	< 100	Not detected	Not detected	Not detected
137	490	40	< 100	Not detected	Not detected	Not detected
138	50	< 10	< 100	Not detected	Not detected	Not detected
140	60	< 10	< 100	Not detected	Not detected	Not detected
141	150	< 10	< 100	Not detected	Not detected	Not detected
142	20	< 10	< 100	Not detected	Not detected	Not detected
143	130	< 10	< 100	Not detected	Not detected	Not detected
144	330	20	< 100	Not detected	Not detected	Not detected
147	30	< 10	< 100	Not detected	Not detected	Not detected
149	90	< 10	< 100	Not detected	Not detected	Not detected
150	40	< 10	< 100	Not detected	Not detected	Not detected
151	120	< 10	< 100	Not detected	Not detected	Not detected
153	500	70	< 100	Not detected	Not detected	Not detected
155	40	< 10	< 100	Not detected	Not detected	Not detected
157	420	< 10	< 100	Not detected	Not detected	Not detected
159	20	< 10	< 100	Not detected	Not detected	Not detected

161	30	< 10	< 100	Not detected	Not detected	Not detected
162	110	< 10	< 100	Not detected	Not detected	Not detected
164	90	< 10	< 100	Not detected	Not detected	Not detected
168	190	< 10	< 100	Not detected	Not detected	Not detected
170	20	< 10	< 100	Not detected	Not detected	Not detected
171	200	< 10	< 100	Not detected	Not detected	Not detected
173	30	< 10	< 100	Not detected	Not detected	Not detected
174	210	50	< 100	Not detected	Not detected	Not detected
175	140	30	< 100	Not detected	Not detected	Not detected
176	50	< 10	< 100	Not detected	Not detected	Not detected
177	70	< 10	< 100	Not detected	Not detected	Not detected
179	180	< 10	< 100	Not detected	Not detected	Not detected
184	80	< 10	< 100	Not detected	Not detected	Not detected
187	140	< 10	< 100	Not detected	Not detected	Not detected
190	80	< 10	< 100	Not detected	Not detected	Not detected
192	280	< 10	< 100	Not detected	Not detected	Not detected
193	70	< 10	< 100	Not detected	Not detected	Not detected
195	460	80	200	Not detected	Not detected	Not detected
196	110	30	< 100	Not detected	Not detected	Not detected
198	30	< 10	< 100	Not detected	Not detected	Not detected
200	150	10	< 100	Not detected	Not detected	Not detected