|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Quantitative parameters** | | | | | | |
|  |  | **Mean** | **SD** | **SEM** | **N** | **95% CI** |
| **Size (µM)** | | | | | | |
|  | **Water** | 2140 | 73 | 18 | 16 | 2100 to 2178 |
|  | **nisin-1mM** | 2154 | 29 | 9 | 10 | 2133 to 2174 |
|  | **nisin-10mM** | 2102 | 133 | 42 | 10 | 2006 to 2197 |
|  | **nisin-20mM** | 2099 | 133 | 42 | 10 | 2003 to 2193 |
|  | **nisin-40mM** | 2201 | 49 | 12 | 10 | 2174 to 2226 |
|  | **p15-1mM** | 2158 | 41 | 13 | 10 | 2128 to 2187 |
|  | **p15-10mM** | 2154 | 51 | 16 | 10 | 2116 to 2190 |
|  | **p15-20mM** | - | - | - | - | - |
|  | **p15-40mM** | - | - | - | - | - |
|  | **p16-1mM** | 2176 | 39 | 12 | 10 | 2148 to 2203 |
|  | **p16-10mM** | 2151 | 51 | 16 | 10 | 2114 to 2188 |
|  | **p16-20mM** | 2116 | 56 | 28 | 4 | 2027 to 2205 |
|  | **p16-40mM** | 2223 | 47 | 33 | 2 | 1797 to 2648 |
|  | **p18-1mM** | 2139 | 39 | 12 | 10 | 2110 to 2166 |
|  | **p18-10mM** | 2154 | 31 | 10 | 10 | 2131 to 2176 |
|  | **p18-20mM** | 2155 | 33 | 12 | 8 | 2127 to 2183 |
|  | **p18-40mM** | - | - | - | - | - |
|  | **p19-1mM** | 2157 | 56 | 18 | 10 | 2117 to 2197 |
|  | **p19-10mM** | 2127 | 45 | 14 | 10 | 2094 to 2159 |
|  | **p19-20mM** | 2120 | 51 | 26 | 4 | 2038 to 2201 |
|  | **p19-40mM** | - | - | - | - | - |
| **Curvature (°)** | | | | | | |
|  | **Water** | 179 | 1 | 0 | 16 | 178 to 179 |
|  | **nisin-1mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **nisin-10mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **nisin-20mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **nisin-40mM** | 179 | 0 | 0 | 10 | 178 to 179 |
|  | **p15-1mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **p15-10mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **p15-20mM** | - | - | - | - | - |
|  | **p15-40mM** | - | - | - | - | - |
|  | **p16-1mM** | 180 | 1 | 0 | 10 | 179 to 180 |
|  | **p16-10mM** | 180 | 1 | 0 | 10 | 179 to 180 |
|  | **p16-20mM** | 180 | 1 | 0 | 4 | 178 to 180 |
|  | **p16-40mM** | 179 | 1 | 1 | 2 | 172 to 184 |
|  | **p18-1mM** | 179 | 0 | 0 | 10 | 178 to 179 |
|  | **p18-10mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **p18-20mM** | 179 | 1 | 0 | 8 | 178 to 179 |
|  | **p18-40mM** | - | - | - | - | - |
|  | **p19-1mM** | 179 | 0 | 0 | 10 | 178 to 179 |
|  | **p19-10mM** | 179 | 1 | 0 | 10 | 178 to 179 |
|  | **p19-20mM** | 179 | 1 | 0 | 4 | 177 to 180 |
|  | **p19-40mM** | - | - | - | - | - |
| **Cardiac frequency (heart beat/10 sec)** | | | | | | |
|  | **Water** | 30 | 0 | 0 | 16 | 30 to 31 |
|  | **nisin-1mM** | 29 | 1 | 0 | 10 | 28 to 30 |
|  | **nisin-10mM** | 30 | 1 | 0 | 10 | 29 to 30 |
|  | **nisin-20mM** | 30 | 1 | 0 | 10 | 29 to 30 |
|  | **nisin-40mM** | 30 | 0 | 0 | 10 | 29 to 30 |
|  | **p15-1mM** | 30 | 0 | 0 | 10 | 29 to 30 |
|  | **p15-10mM** | 30 | 0 | 0 | 10 | 29 to 30 |
|  | **p15-20mM** | - | - | - | - | - |
|  | **p15-40mM** | - | - | - | - | - |
|  | **p16-1mM** | 30 | 0 | 0 | 10 | 30 to 31 |
|  | **p16-10mM** | 31 | 1 | 0 | 10 | 30 to 31 |
|  | **p16-20mM** | 6 | 8 | 4 | 4 | 0 to 18 |
|  | **p16-40mM** | 0 | 0 | 0 | 2 | 0 |
|  | **p18-1mM** | 29 | 1 | 0 | 10 | 28 to 30 |
|  | **p18-10mM** | 29 | 1 | 0 | 10 | 28 to 30 |
|  | **p18-20mM** | 22 | 13 | 5 | 8 | 10 to 33 |
|  | **p18-40mM** | - | - | - | - | - |
|  | **p19-1mM** | 30 | 1 | 0 | 10 | 29 to 30 |
|  | **p19-10mM** | 30 | 1 | 0 | 10 | 29 to 30 |
|  | **p19-20mM** | 21 | 10 | 5 | 4 | 4 to 37 |
|  | **p19-40mM** | - | - | - | - | - |