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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Microbial group** | **Initial denaturation** |  | **Denaturation** |  | **Annealing** |  | **Elongation** |  | **Cycles** | **Melting curve** |
|  | **Temp. (°C)** | **Time** | **Temp. (°C)** | **Time** | **Temp. (°C)** | **Time** | **Temp. (°C)** | **Time** |  | **Temp. (°C)** |
| Bacteria | 95 | 15 sec. | 95 | 30 sec. | 60 | 30 sec. | 72 | 60 sec. | x40 | 60 to 95 (0.5°C/sec.) |
| Methanogens | 95 | 15 sec. | 95 | 30 sec. | 60 | 30 sec. | 72 | 30 sec. | x40 | 60 to 95 (0.5°C/sec.) |