

| Characteristics                        | Species             | <i>Planiflu</i><br><i>m</i><br><i>finetol</i><br><i>o</i> <sup>a</sup>  | <i>Planiflu</i><br><i>m</i><br><i>fuyikum</i><br><i>b</i>   | <i>Planiflu</i><br><i>m</i><br><i>yunane</i><br><i>nse</i> <sup>c</sup>  | <i>Mecher</i><br><i>harimye</i><br><i>s</i><br><i>mesophi</i><br><i>us</i> <sup>a</sup>  | <i>Mecher</i><br><i>harimye</i><br><i>s</i><br><i>asporoph</i><br><i>origens</i><br><i>a</i>   |          |
|--|---------------------|---|---|--|--|--|----------|
| Aerial mycelium                        |                     | -   | -   | -  | white  | white  |          |
| Substrate mycelium                     |                     | Lustrous, cream-yellow<br>with radial wrinkles  |   | Rough and<br>cream-<br>yellow  | Inconspicuous  |  |          |
| Endospores                             |                     | +   | +   | +  | +  | -  |          |
| Dark-brown pigment on L-tyrosine media | Temperature         | range   | 50-65   | 50-67  | 50-75  | 15-37  | 20-37    |
|  | opt. range          | 55-63   | 60-65   | 60-70  | 6.0-10.0   | 30   | 30       |
| Growth conditions                      | pH                  | range   | nd  | nd   | 8.5  | 7.6-8.0*   | 7.6-8.0* |
|  | opt. range          | 7.5*  | 7.5*  | 8.5  | nd   | +  | +        |
| Degradation                            | Novodiocin 25 µg/ml | nd  | nd  | nd   | +  | +  |          |
|  | Casein              | +   | +   | +  | +  | +  |          |
|  | Starch              | +   | +   | +  | -  | -  |          |
|  | Gelatin             | nd  | nd  | +  | +  | +  |          |
|  | Hypoxanthine        | -   | -   | nd   | -  | -  |          |
|  | Xanthine            | -   | -   | nd   | -  | -  |          |
|  | Ascorulin           | +   | -   | nd   | -  | -  |          |
|  | L-Tyrosine          | +   | -   | -  | -  | -  |          |
|  | D-Raffinose         | +   | -   | +  | nd   | nd   |          |
|  | Gentobiose          | -   | -   | +  | nd   | nd   |          |
|  | Trehalose           | +   | -   | -  | nd   | nd   |          |
|  | Lactose             | +   | -   | +  | nd   | nd   |          |
|  | Sucrose             | -   | +   | +  | nd   | nd   |          |
|  | D-Arabinose         | +   | +   | -  | nd   | nd   |          |
|  | D-Xylose            | -   | +   | +  | nd   | nd   |          |
|  | D-Galactose         | +   | -   | +  | nd   | nd   |          |
|  | D-Mannose           | +   | -   | -  | nd   | nd   |          |
| D-Allulose                             | -                   | +   | +   | nd   | nd   |  |          |
| myo-Inositol                           | -                   | -   | +   | nd   | nd   |  |          |
| D-Sorbitol                             | -                   | +   | +   | nd   | nd   |  |          |
| Xylitol                                | +                   | +   | -   | nd   | nd   |  |          |
| N-Acetyl-D-glucosamine                 | -                   | -   | +   | nd   | nd   |  |          |
| Methyl β-D-glucoside                   | -                   | +   | +   | nd   | nd   |  |          |
| Succinic acid monomethyl ester         | -                   | -   | +   | nd   | nd   |  |          |
| D-Glutaric acid                        | -                   | -   | +   | nd   | nd   |  |          |
| α-Hydroxybutyric acid                  | -                   | +   | -   | nd   | nd   |  |          |
| p-Hydroxyphenylacetic acid             | -                   | -   | +   | nd   | nd   |  |          |
| Iaconic acid                           | -                   | +   | +   | nd   | nd   |  |          |
| Quinic acid                            | -                   | +   | -   | nd   | nd   |  |          |
| Succinic acid                          | -                   | -   | +   | nd   | nd   |  |          |
| L-Aspartic acid                        | -                   | +   | +   | nd   | nd   |  |          |
| L-Glutamic acid                        | -                   | -   | +   | nd   | nd   |  |          |
| L-Leucine                              | -                   | -   | +   | nd   | nd   |  |          |
| L-Ornithine                            | -                   | +   | +   | nd   | nd   |  |          |
| L-Proline                              | -                   | +   | +   | nd   | nd   |  |          |
| L-Threonine                            | +                   | -   | +   | nd   | nd   |  |          |
| Inosine                                | +                   | -   | +   | nd   | nd   |  |          |
| Uridine                                | -                   | -   | -   | +  | nd   | nd   |          |
| DNA G+C content (mol%)                 |                     | 60.3  | 60.0  | 58.6   | 45.1   | 45.2   |          |
| Major cellular fatty acids             |                     | iso-C <sub>16:0</sub> <sup>a</sup><br>iso-C <sub>17:0</sub> <sup>a</sup><br>anteiso-C <sub>17:0</sub> <sup>a</sup><br>C <sub>17:0</sub> <sup>a</sup><br>iso-C <sub>18:0</sub> | iso-C <sub>17:0</sub> <sup>a</sup><br>anteiso-C <sub>17:0</sub> <sup>a</sup><br>C <sub>17:0</sub> <sup>a</sup><br>iso-C <sub>15:0</sub> | iso-C <sub>17:0</sub> <sup>a</sup><br>C <sub>16:0</sub> <sup>a</sup><br>iso-C <sub>16:0</sub> <sup>a</sup><br>anteiso-C <sub>17:0</sub> <sup>a</sup> | iso-C <sub>15:0</sub> <sup>a</sup><br>iso-C <sub>17:0</sub> <sup>a</sup><br>Quin1(ω)11C,<br>iso-C <sub>16:0</sub> <sup>a</sup><br>iso-C <sub>17:0</sub> <sup>a</sup> | iso-C <sub>15:0</sub> <sup>a</sup><br>iso-C <sub>17:0</sub> <sup>a</sup><br>ω11C,<br>iso-C <sub>16:0</sub> <sup>a</sup><br>C <sub>17:0</sub> <sup>a</sup><br>iso-C <sub>16:0</sub> |          |
| Menquinones                            |                     | MK-7  | MK-7  | MK-7   | MK-9, MK-8   | MK-9, MK-8   |          |

Data from: <sup>a</sup>Matsuo et al. 2005

<sup>b</sup>Hatayama et al. 2005

<sup>c</sup>Zhang et al. 2007

nd/no data, + positive reaction, - negative reaction, +/- variable reaction, \*pH of usual media