



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

<b>Specifications</b> <b>Microorganism Name:</b> Micrococcus luteus <b>Catalog Number:</b> ALK-INHOUSE-1 <b>Lot Number:</b> PS6845** <b>Reference Number:</b> ALK-INHOUSE-1 <b>Passage from Reference:</b> 1	<b>Expiration Date:</b> 2025/5/31 <b>Release Information:</b> <b>Quality Control Technologist:</b> Kavitha Gobalan <b>Release Date:</b> 2023/6/13
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<b>Performance</b>	
<b>Macroscopic Features:</b> Small to medium, circular, convex, entire edge, yellow, glistening, opaque <b>Microscopic Features:</b> N/A	<b>Medium:</b> SBAP <b>Method:</b> N/A

**ID System:** MALDI-TOF (1)  
 See attached ID System results document.

  
 Amanda Kuperus  
 Director of Quality Control  
 AUTHORIZED SIGNATURE

\*\*Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot number.

⚠ Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



(1) These tests are accredited to ISO/IEC 17025.



Customer: MicroBiologics, Inc. Account: 602190 ( MLI2 )  
 Address: 200 Cooper Avenue North, St. Cloud, MN, 56303, United States  
 Accugenix C#: C2286664-20160721029 ID Request Form #: 239233  
 Customer Sample ID: ALK-INHOUSE-1 Due Date: 2016-07-21

**Accugenix Database Search Result - BacSeq**

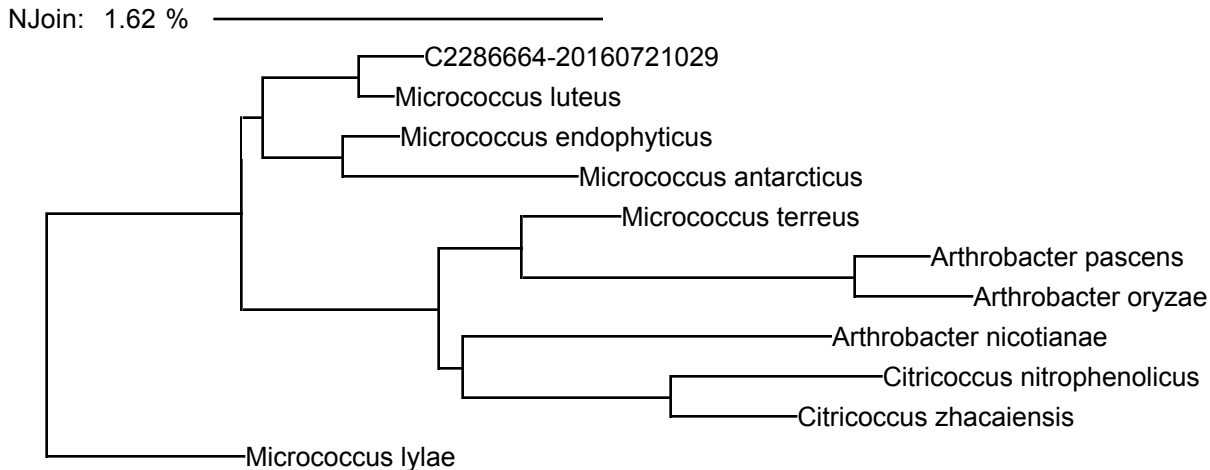
Identification: **Micrococcus luteus**

Confidence Level: **Species**

**Sequence Alignment**

- Alignment: 504 C2286664-20160721029
- 0.40 % 504 Micrococcus luteus
  - 1.19 % 504 Micrococcus endophyticus
  - 2.19 % 503 Micrococcus antarcticus
  - 2.38 % 504 Micrococcus terreus
  - 2.38 % 505 Micrococcus lylae
  - 3.17 % 504 Arthrobacter nicotianae
  - 3.17 % 504 Arthrobacter pascens
  - 3.17 % 507 Citricoccus nitrophenolicus
  - 3.17 % 504 Arthrobacter oryzae
  - 3.17 % 506 Citricoccus zhacaiensis

**Neighbor Joining Tree**



Not intended for in vitro diagnostic use

# Bruker Daltonik MALDI Biotyper Classification Results



## Meaning of Score Values

Range	Interpretation	Symbols	Color
2.00 – 3.00	High-confidence identification	(+++)	green
1.70 – 1.99	Low-confidence identification	(+)	yellow
0.00 – 1.69	No Organism Identification Possible	(-)	red

## Meaning of Consistency Categories (A - C)

Category	Interpretation
(A)	<b>High consistency:</b> The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	<b>Low consistency:</b> The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which genus is identical to the best match or (2) a non-identification.
(C)	<b>No consistency:</b> The requirements for high or low consistency are not met.

Run Creation Date/Time: 2023-06-07T12:30:33.421 KG

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library

Sample Name	Sample ID	Organism (best match)	Score Value
B9 (++++) (A)	PS6845	Micrococcus luteus	2.03

Comments:

n/a
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