

## Microbiologics Live Culture Certificate of Analysis Interpretation Guide

This guide describes the information provided on Microbiologics live culture product Certificates of Analysis (for example, KWIK-STIK™ 2-Pack, LYFO DISK™, and Epower™).

### Certificate of Analysis Interpretation

1. Base lot number
2. Number of passages the lot is from the reference culture
3. Expiration date of the lot
4. Primary media used to assess morphology and growth
5. Colony morphology on medium listed on Certificate of Analysis
6. Additional confirmatory tests performed and their results
7. Name of the ID system used (report will be attached). The ID system used has been validated to provide the most robust ID of the strain.
8. Disclaimer
9. VITEK 2 disclaimer for IDs performed with the VITEK 2 . Explanation of why the VITEK reactions may be different than those listed on the Certificate of Analysis due to the shortened incubation and procession time.
10. ISO 17034 accreditation stamp
11. ISO 17025 accreditation stamp
12. ATCC Licensed Derivative emblem

Microbiologics®	
Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release	
<b>Specifications</b> Microorganism Name: Escherichia coli Catalog Number: 0483 <b>Lot Number: 483-826**</b> <span style="float: right;">1</span> Reference Number: ATCC® 8739™* Purity: Pure <b>Passage from Reference: 3</b> <span style="float: right;">2</span>	<b>Expiration Date: 2020/6/30</b> <span style="float: right;">3</span> <b>Release Information:</b> Quality Control Technologist: Christine Condon Release Date: 2018/7/27
<b>Macroscopic Features:</b> <span style="float: right;">5</span> Medium to large, gray, mucoid, convex. <b>Microscopic Features:</b> Gram negative straight rod.	<b>Performance</b> <b>Medium:</b> <span style="float: right;">4</span> SBAP <b>Method:</b> Gram Stain (1)
<b>ID System: MALDI-TOF (1)</b> <span style="float: right;">7</span> See attached ID System results document.	<b>Other Features/ Challenges: Results</b> <span style="float: right;">6</span> (1) Oxidase (Kovacs): negative Beta-glucuronidase (E. coli Broth w/MUG): positive  <div style="text-align: right;">               Amanda Kuperus              Quality Control Manager              AUTHORIZED SIGNATURE           </div>
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">8</span>	
<small>**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.</small>	
<small>Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.</small>	
<small>⚠ Refer to the enclosed product insert for instructions, intended use and hazard/safety information.</small>	
<small>Individual products are traceable to a recognized culture collection.</small>	
 <span style="float: right;">10</span>	
 <span style="float: right;">12</span>	<small>(*) The ATCC Licensed Derivative Emblem, the ATCC Licensed Derivative word mark and the ATCC catalog marks are trademarks of ATCC. Microbiologics, Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures.</small>
 <span style="float: right;">11</span>	<small>(1) These tests are accredited to ISO/IEC 17025:2005.</small>
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">9</span>	