



# Certificate of Analysis

Becton Dickinson and Company  
BD Diagnostic Systems  
PO Box 999  
Sparks MD 21152-0999 US

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**Product Name** : Tube Trypticase Soy Broth 5Ml-K 100 Ea  
**Catalog Number** : 221716 **Manufacture Date**: 2024/06/04  
**Batch Number** : 4144035  
**Expiration Date** : 2025/11/16

- 01 Broth Appearance: Light yellow to medium tan yellow, clear to trace hazy.
- 02 Biological Performance: Samples were inoculated with 1000 CFU's or less of *S. pneumoniae* and 100 CFU's or less of the remaining test organisms, incubated as noted below and gave cultural responses as indicated:

CULTURE	ATCC®	INCUBATION	RESULT
Bacillus subtilis	6633	20-25°C, 3 days	Growth
subspecies spizizenii			
Candida albicans	10231	20-25°C, 5 days	Growth
Aspergillus brasiliensis	16404	20-25°C, 5 days	Growth
Streptococcus pneumoniae	6305	30-35°C, 1 day	Growth
Escherichia coli	25922	30-35°C, 2 days	Growth
Staphylococcus aureus	25923	30-35°C, 2 days	Growth

Characteristic	Unit	Value	Lower Limit	Upper Limit
pH at 25°C :		7.4	7.1	7.5

Animal source	Country of Origin	Tissue Category		
		BIC	SIC	ABC
Bovine	New Zealand	IV	IV	MLK
Porcine	USA	III	III	IB

The Batch Number on this certificate is synonymous with the Lot Number shown on the product label.

BD Diagnostics - Diagnostic Systems products are manufactured in ISO 13485:2016 Registered facilities. In addition, BD Diagnostics - Diagnostic Systems facilities are registered with the United States Food and Drug Administration (FDA), and are regulated by the FDA's Quality System Regulations (QSRs). This product met BDDS stringent quality standards at time of batch/lot release. Any test results reported on this certificate were obtained at time of release. This material is not for human or animal consumption.

BD Diagnostics - Diagnostic Systems' Certificates of Analysis (COA)

Creation Date: 2024/06/27 12:43:54



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typically contain animal origin information when products are manufactured using materials of animal origin. This information may be contained in the animal source table and/or in one or more of the additional paragraphs found on the COA. Following Quality Control release, the COA is created and published at [www.bd.com/regdocs](http://www.bd.com/regdocs). For each batch of finished product that contains animal origin raw materials, the COA shows the animal origin data from the individual lots of animal origin raw materials used, as provided by the raw material suppliers.

At times, suppliers notify BD Diagnostics - Diagnostic Systems of new and/or additional information they have received from their raw material suppliers that modifies the animal origin information for lots previously provided to BD. See "COA Animal Origin Information Position Statement" located at [www.bd.com/regdocs](http://www.bd.com/regdocs) under "Position Statements" for the impact that retrospective information has on COAs and on customers enrolled in the BDDS and BDAB Automated Change Notification Program.

For complete details on animal origin information, refer to "BD Diagnostics - Diagnostic Systems, Animal Origin Position Statement", at [www.bd.com/regdocs](http://www.bd.com/regdocs) under "Position Statements".

Manufacturer is Becton Dickinson and Company, 7 Loveton Circle, Sparks, MD 21152 USA. To determine location of manufacturing for this product, please see [www.bd.com/en-us/support/bd-life-sciences-diagnostic-systems-customer-regulatory-support-information](http://www.bd.com/en-us/support/bd-life-sciences-diagnostic-systems-customer-regulatory-support-information).

Representative samples of this lot were tested for microbial viability or the Fo value for parametric release was examined and found to be acceptable.

Stability data for this product is on file.

The pH stated was obtained at the time of release, the pH may vary depending on the age of the product and the type of pH meter and probe used.



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Stacie Wright  
Associate Director, Quality Assurance  
Signature Date: 2024/06/27