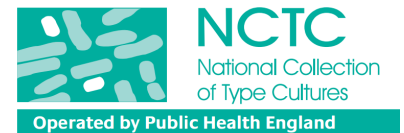


# Certificate of Analysis



## Product Description

Catalogue No: NCTC11954  
Bacteria Name: *Escherichia coli*  
Lot Number: 04  
Date Prepared: 08 February 2017  
Product Format: Freeze dried suspension of Bacterial Culture supplied in a glass ampoule sealed under vacuum.  
Volume/Ampoule: 0.15g  
Expiry Prepared: Not Applicable  
Deposit Information: Please refer to the Culture Collections website [www.phe-culturecollections.org.uk](http://www.phe-culturecollections.org.uk) for individual detailed deposit information.



In line with European and US Pharmacopeia, all NCTC microbial strains produced and distributed in ampoules by Public Health England are categorised as Primary Reference Standards and therefore considered "passage zero".

A passage count is defined as the "transfer of organisms from a viable culture to fresh medium with growth of the microorganisms" at the recipient laboratory.

## Instructions for correct storage of this product

4°C to 10°C

## Instructions for use

Please refer to the Culture Collections website for information [www.phe-culturecollections.org.uk/technical/HowtoHandleBacteria.aspx](http://www.phe-culturecollections.org.uk/technical/HowtoHandleBacteria.aspx)

## Quality Control Data

### Authentication Results

Reference	Tests	Result	Acceptance Criteria
SOP N-2116	Gram Stain	Gram negative rods	Gram negative rods
SOP N-2107	Catalase	Positive	Positive
SOP N-2132	Oxidase	Negative	Negative
SOP N-2126	Motility	Motile	Motile
SOP N-2156	Coagulase	N/A	N/A

Reference	Tests	Result	Acceptance Criteria
SOP N-2846	VITEK2 Identification system	<i>Escherichia coli</i>	<i>Escherichia coli</i>
Subcontracted to PHE service (†)	16S rDNA partial gene sequencing	Not tested	Not tested
	Reference Laboratory	<i>Escherichia coli</i>	<i>Escherichia coli</i>
SOP N-2849 (†)	MALDI-TOF	<i>Escherichia coli</i>	<i>Escherichia coli</i>

## Viability Results

Reference	Viability Count	Result	Acceptance Criteria
SOP N-2013 (†)	Surface Viable Count	10 <sup>4</sup>	10 <sup>4</sup>

## Additional Information

This report has been compiled using information derived from phenotypic, protein expression and molecular technologies.

Some work has been subcontracted to PHE services and reference laboratories, recognised centres of expertise in specialised techniques for authentication.

## Hazardous Information

Please refer to the Culture Collections website [www.phe-culturecollections.org.uk](http://www.phe-culturecollections.org.uk) for the Material Safety Data Sheet.

Report prepared by: Hannah Mcgregor  
Date: 29 March 2017

Signature:

Date: 30 March 2017

Shelley Ray  
Unit Manager, Quality Systems