



## Quality Assurance Certificate

**Code:** CM0331Y  
**Product:** COLUMBIA BLOOD AGAR BASE 3 X 4.19kg  
**Lot:** 2347027  
**Expiry:** 31 July 2023  
**Components:**

**PHYSICAL CHARACTERISTICS:** As appropriate tests on moisture, appearance, pH, clarity and gel strength were satisfactory.

**BIOLOGICAL PERFORMANCE:** Satisfactory performance of:

Haemophilus influenzae	ATCC 19418
Haemophilus influenzae	ATCC 49247
Haemophilus influenzae	ATCC 9334
Haemophilus parainfluenzae	NCTC 7857
Clostridium sporogenes	ATCC 19404
Clostridium perfringens	ATCC 13124
Escherichia coli	ATCC 25922
Neisseria gonorrhoeae	NCTC 11148
Neisseria meningitidis	ATCC 13090
Pseudomonas aeruginosa	ATCC 27853
Staphylococcus aureus	ATCC 25923
Staphylococcus aureus	NCTC 12493
Streptococcus pneumoniae	ATCC 6305
Streptococcus pyogenes	ATCC 19615

**Date:** 28 June 2018

The above have been tested in our Quality Control Laboratory using conventional procedures and control ATCC and NCTC cultures where appropriate and have met the specified test parameters. Additional challenging strains may also be employed.

The information given is believed to be correct, all results reported in this certificate relate only to the product and lot stated in this certificate of analysis. However, both the information and the product are offered without warranty for any application other than that specified in the current Oxoid Manual.

*Shannon Bearpark*

Shannon Bearpark  
Site Quality Manager

