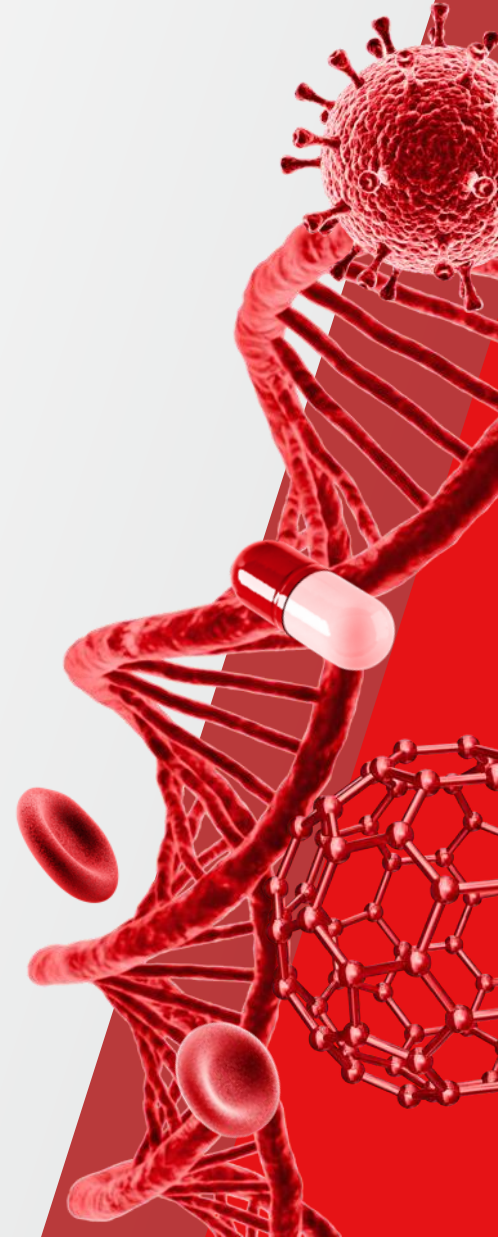


# Legionella DCM and FDS New Range

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 The world leader in serving science



# New Codes and Shelf-life Changes

Product	Current order code	Current total shelf-life	New Order code	New total shelf-life
Legionella CYE Agar Base 500g	CM0655B	5 years	CM1203B	2 years
Legionella BCYE Growth Supplement 10 vials (100mL)	SR0110A	2 years	SR0251A	2 years
Legionella BCYE Growth Supplement 10 vials (500mL)	SR0110C	2 years	SR0251C	2 years
Legionella Growth Supplement (BCYE W/O Cysteine) (100mL)	SR0175A	2 years	SR0253A	2 years
Legionella Selective Supplement (GVPC) 10 vials (500mL)	SR0152E	2 years	SR0252E	1 year
Legionella Selective Supplement (BMPA) 10 vials (500mL)	SR0111B	2 years	SR0254B	1 year
Legionella Selective Supplement (BMPA) 10 vials (100mL)	SR0111E	2 years	SR0254E	1 year
Legionella Selective Supplement (MWY) 10 vials (500mL)	SR0118B	2 years	SR0255B	1 year
Legionella Selective Supplement (MWY) 10 vials (100mL)	SR0118E	2 years	SR0255E	1 year

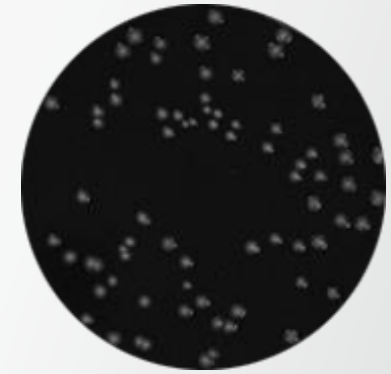
# Performance Improvements (GVPC example)

WDCM00106  
*Legionella Anisa*

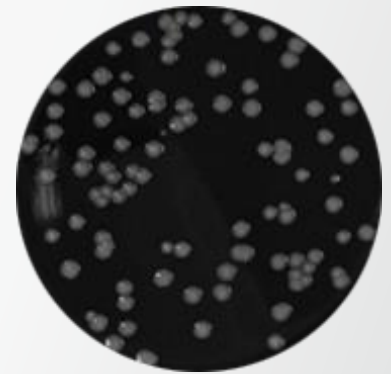
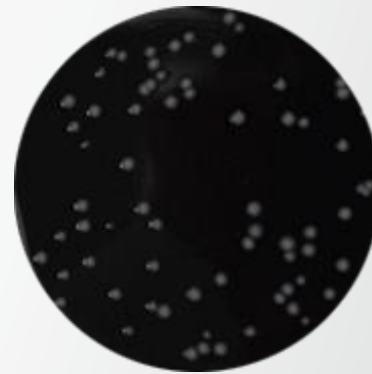
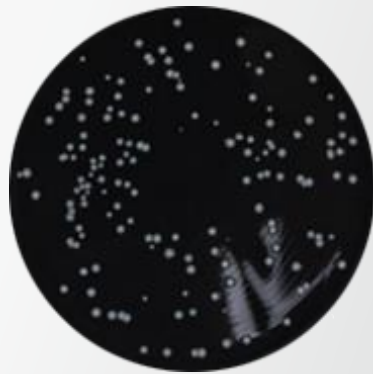
WDCM00180  
*Legionella pneumophila*

WDCM00107  
*Legionella pneumophila*

Current Range



New Range



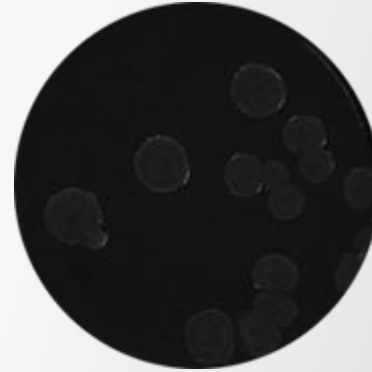
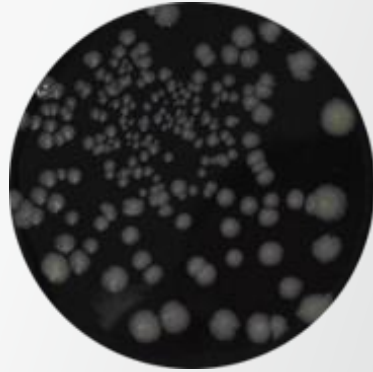
# Performance Improvements (GVPC)

WDCM00013  
*E. Coli*

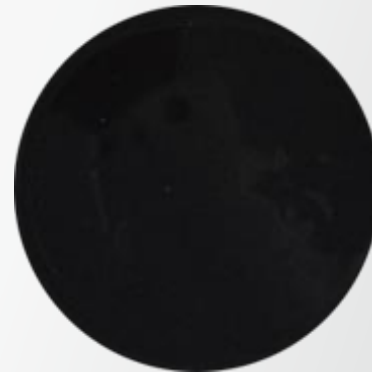
ATCC27853  
*Pseudomonas Aeruginosa*

WDCM00087  
*Enterococcus Faecalis*

Current Range



New Range



# Changes to Current Range

- Workflow amendment required
  - ACES buffer removed from BCYE supplement. Buffer precipitation during freezing causes pH shift\*
  - Removal of ACES buffer from the supplement, means KOH must be removed too
  - **Therefore –a fixed level of 2M KOH is to be added before autoclaving**
- Grams per litre currently is 25g for CM0655 it will change to 36.5g for CM1203.
  - \*KOH increases pH, causing cysteine (required for Legionella growth) to be converted into cystine (unusable, competitive inhibitor of cysteine)

# Frequently Asked Questions

## How did we improve the performance without changing the formulation?

The formulation still conforms to the ISO11731:2017 we optimised the raw materials used in the formulations.

## Why has the shelf-life of most of the products changed?

There is ongoing real-time stability work in place but for launch the accepted shelf life from QA needed to be reduced from the current range.

## Why do we not have GVPN in the range anymore?

Alongside the technical challenges that we faced regarding the growth of mould, this product was a low seller and we worked with our biggest customer (who bought 85% of what we made) on a solution to the technical issue and the outcome was that they were moving to prepared media GVPC plates.

## Why are the new products not CE marked?

Since the prime application of these products is for water testing a CE mark is not required.

## Why has the grams per litre changed?

Due to the inclusion of the Aces buffer in the dehydrated base rather than the BCYE supplement.

## Why do I have to adjust the pH?

The new BCYE supplement does not contain any buffering component therefore pH of the final medium is required.

The adjustment to the pH of the medium is crucial to achieve the optimal recovery rates of the target organisms.