Department	Micro Laboratory		Document no	MICLAB – METHOD 024	
Title	Preparation of CLED medium (Oxoid CM 301)				
Prepared by:		Date:		Supersedes:	
Checked by:		Date:		Date Issued:	
Approved by:		Date:		Review Date:	

1.0 SUMMARY OF CHANGES

Version #	Revision History
MICLAB – METHOD 024	New

2.0 PURPOSE

This document describes the method for preparation of CLED medium (Oxoid CM 301).

3.0 SCOPE

CLED medium supports the growth of all potential pathogens (eg. Salmonella) giving good colonial differentiation and clear diagnostic characteristics.

4.0 RESPONSIBILITY \ BUSINESS RULES

All microbiology staff.

5.0 PROCEDURE

5.1 Materials and Reagents required

5.1.1 Plastic spoon

5.1.2 Measuring Cylinder

5.1.3 RO Water

5.1.4 Beaker

5.1.5 Automatic dispenser

5.1.6 Sterile pipettes

5.1.7 pH meter

5.1.8 1N NaOH and 1N HCl

5.1.9 CLED medium (Oxoid CM 301)

5.2 Method

5.2.1 Weigh out 36.2g per litre of CLED medium into a beaker.

5.2.2 Add required volume of RO water and mix well.

5.2.3 Warm to dissolve in the microwave with frequent stirring.

5.2.4 Adjust pH to 7.5 using 1N NaOH or 1N HCl.

5.2.5 Dispense into required glassware.

5.2.6 Sterilise by autoclaving at 121°C for 15 minutes.

5.2.7 Final pH after sterilisation should be 7.3 ± 0.2.

5.2.8 Record all details of media preparation on SF150712.

QUALITY CONTROL REQUIREMENTS			
STORAGE:	BULK	-	6 months in dark cupboard
	PLATES	-	2 weeks in fridge (2-8^{o}C)

ECOMETRIC EVALUATION / FERTILITY			
CONTROL ORGANISMS:			
Positive:	S.salford I.M.V.S1710	Negative:	C.freundii N.C.T.C 9750
Growth Index:	≥ 3	Growth Index:	≥ 3
INCUBATION CONDITIONS:			
Temperature:	37 ± 1°C	Time:	24 hours

Refer to procedure for Sampling Plan and Acceptance Criteria for microbiological culture media.

6.0 DEFINITIONS / ACRONYMS

NA

