Department	Micro Laboratory		Document no	MICLAB – METHOD 005	
Title	Preparation of Diluent plus 0.1% Tween 80				
Prepared by:		Date:		Supersedes:	
Checked by:		Date:		Date Issued:	
Approved by:		Date:		Review Date:	

1.0 REVIEW HISTORY

Version #	Revision History
MICLAB – METHOD 005	New

2.0 PURPOSE

This document describes the method for preparation of Diluent plus 0.1% Tween 80.

3.0 SCOPE

Diluent plus 0.1% Tween 80 is used as a high quality diluent for microbiology testing.

4.0 RESPONSIBILITY \ BUSINESS RULES

All microbiology staff at the GMP site.

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 Appropriate glassware
5.1.6 Automatic dispenser
5.1.7 pH meter
5.1.8 1N NaOH and 1N HCl
5.1.9 Bacteriological Peptone (Oxoid L34)
5.1.10 Tween 80. (Polysorbate BP 80 item 119A012)

5.2 Method

5.2.1 Weigh out 1g per litre of peptone into a beaker and add approximately 500mL of RO water. Mix well to dissolve.
5.2.2 Weigh out 1g per litre of Tween 80 into a beaker and add RO water.
5.2.3 Dissolve on high setting in the microwave with frequent stirring.
5.2.4 Combine dissolved peptone with dissolved Tween 80 and make up to required volume with RO water, mix well.
5.2.5 Adjust pH to 6.9.
5.2.6 Dispense into appropriate glassware.
5.2.7 Sterilise by autoclaving at 121°C for 15 minutes.
5.2.8 pH after autoclaving, 7.0 ± 0.2

5.2.9 Record all details of media preparation into appropriate form.

QUALITY CONTROL REQUIREMENTS					
STORAGE:	BULK	-	6 months in dark cupboard		
ECOMETRIC EVALUATION / FERTILITY					
CONTROL ORGANISMS:					
Positive:	P.aeruginosa A.T.C.C 9027		Negative:	S.aureus N.C.T.C 6571	
Growth Index:	Growth		Growth Index:	Growth	
INCUBATION CONDITIONS:					
Temperature:	30 ± 1°C		Time:	24 hours	

For Sampling Plan and Acceptance Criteria for microbiological culture media refer to SF150154.

6.0 DEFINITIONS / ACRONYMS

NA

