**SOP Reinforced Clostridial Media preparation**

**Document Number: XX**

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**Purpose**

This SOP describes the procedure used to make Reinforced Clostridial Media.

**Scope**

For culturing from stool samples, it is a rich media enriched for Clostridium species and allowing for growing large majority of anaerobes

**Regulatory References:** NA

**Responsibility of experimentalist:** understanding and performing this procedure as described; reporting any deviations or problems to area supervisor; adequately documenting the procedures and results.

**Responsibility of area manager or supervisor:** ensuring that the analyst performing this procedure is qualified; ensuring that the procedure is followed, and updating the procedure as necessary.

**Definitions/Abbreviations**

Reinforced Clostridial Media: RCM

Milliliter: ml

**Related Documents:** NA

**Required Equipment and Materials / Reagents**

* Reinforced Clostridial Media (BD Cat# 218081)
* L-cysteine (Sigma Aldrich, C7532)
* Bottle-top vacuum filter system, pore size 0.2 μm- 1L (Sigma, Cat# CLS430515)
* MilliQ Water
* Magnetic Stirring bar (VWR: Cat# 58948-138)
* Magnetic stirrer / heating plate (VWR: Cat 12620-994)
* Sterile 1L bottle

**Precautions**

Personal protection equipment including gloves and lab coat must be worn when executing this procedure

The media expires 3 weeks after preparation (Final container is labeled with date of manufacture)

**Procedure**

* Suspend 38 grams of the RCM powder (BD Cat# 218081) in 1L of MilliQ water
* Mix thoroughly with stir bar and magnetic stirrer
* Heat with frequent agitation and boil for 1 minute to completely dissolve the powder
* Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes
* Let cool at room temperature
* Add 0.5g L-cysteine (to ensure it will easily reduce)
* Final container have to be labelled with date of manufacture

**Version History: NA**

**Worksheets: NA**

**Appendix: NA**