



## STANDARD OPERATING PROCEDURE

<b>Department:</b> Microbiology	<b>SOP No.:</b>
<b>Title:</b> Procedure for Sterilization of Media	<b>Effective Date:</b>
<b>Supersedes:</b> Nil	<b>Review Date:</b>
<b>Issue Date:</b>	<b>Page No.:</b>

### 1.0 OBJECTIVE:

To lay down a procedure for sterilization of microbiological culture media.

### 2.0 SCOPE:

This procedure applicable for sterilization of microbiological culture media top be used for microbiological testing.

### 3.0 RESPONSIBILITY:

Microbiologist – Quality Control

Head – Quality Control

### 4.0 PROCEDURE:

4.1 Prepare the culture media for microbiology testing as per SOP.

4.2 After preparation of culture media, plug the tubes /flask tightly with non absorbent cotton plug or autoclave screw cap or SS cap.

4.3 If cotton plugs are used cover cotton plugs with wrapping paper or aluminium foil.

4.4 Keep the chemical indicator or adhesive tape on each sterilization cycle of autoclave.

4.5 Mark on label on test tube /flask with name of media, media lot number and date of preparation.

4.6 Load the flask /test tube containing culture medial in to Autoclave.

4.7 Sterilize the culture media by Autoclaving at 15 lbs pressure on 121°C temperature for 20 minutes as specified as per SOP: Operation and cleaning of vertical autoclave.

4.8 Assign the sterilization load number as per SOP.

4.9 After sterilization, unload the media container and check the colour of chemical indicator. The color of chemical indicator should be change as per manufacturer's instruction.

4.10 Allow the culture medium to attain required temperature.

4.11 Also make relevant entries in the media sterilization record as per Annexure-I



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**5.0 ANNEXURE (S):**

Annexure – I : Media Sterilization Record

**6.0 REFERENCE (S):**

SOP: Procedure for preparation of media

SOP: Operation and cleaning of vertical autoclave.

SOP: Preparation, Approval, Distribution control, revision and Destruction of Standard operating Procedure (SOP).

AS per current versions of IP, BP , USP and European pharmacopoeia

**7.0 ABBREVIATION (S)/DEFINITION (S):**

Nil

**REVISION CARD**

S.No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION	REFERENCE CHANGE CONTROL No.
1	00	---	---	New SOP	---

