

	<b>SMGM Media Recipe</b>	Page #	1 of 2	Implementation Date	10/17/2023
		SOP Owner	Carmen Rios	Last Reviewed/Update Date	10/17/2023
		SOP #		Approval	
		Version #	2		

## 1. LIMS NAMING: **SMGM**

### a. MEDIA FULL NAME: **Smooth Muscle Growth Medium**

Reagent	Manufacturer	Cat. No	Type Annotation	Volume	Final Concentration
<b>SmGM BulletKit (SmBM Basal Medium + SmGM-2 SingleQuots (FBS, hFGF-B, hEGF, Insulin, GA-1000))</b>	Lonza	CC-3182	Basal Medium + Supplements	500 mL	95%
<b>Pen/Strep (100 X)</b>	Life Technologies	15140-163	Antibiotics	5 mL	1%
<b>Fungizone (250 ug/mL)</b>	Invitrogen	15290018	Antibiotics	1 mL	500 ng/mL
<b>Gentamicin (50 mg/mL)</b>	Life Technologies	15750-060	Antibiotics	100 uL	10 ug/mL

\* Antibiotics must be added for lines in nursery. Established cultures do not need antibiotics.

- 1) To the basal medium, aseptically add the SingleQuots, pen/strep, fungizone, and gentamicin.
- 2) Media should be made in fresh batches every 90 days. Any media older than 3 months must be discarded.

## 2. **Stock Preparation and Storage for Media Reagents**

Reagent	Stock Preparation	Stock Concentration	Stock Storage
<b>SmBM</b>	-	-	4C
<b>SmGM-2 SingleQuots (FBS, hFGF-B, hEGF, Insulin, GA-1000)</b>	-	-	-20C
<b>Pen/Strep (100 X)</b>	Aliquot 10 mL into 15 mL conical tubes.	100X	-20C
<b>Fungizone (250 ug/mL)</b>	Aliquot 1 mL into 1.5 mL Eppendorf tubes.	250 ug/mL	-20C
<b>Gentamicin (50 mg/mL)</b>	-	50 mg/mL	RT