

	SOP-BCR-4.13	<b>Preparation of EGF</b>	Author: S. Clouthier  Approved: M. Wicha 	Rev: 2	Issued: 09/24/98 Revised: 11/4/13
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### 1.0 Purpose

The purpose of SOP 4.13 is to describe how to prepare EGF.

### 2.0 Scope

SOP 4.13 is intended to cover all resources, personnel and equipment in the BCR laboratory.

### 3.0 Materials & Reagents

No.	Name	Description	Storage Location
1.0	EGF	Epidermal Growth Factor	Fridge #5 (B026-320S-A)

### 4.0 Procedure

- 4.1 Source: BD Biosciences cat# 354052, 100 ug size
- 4.2 Store at a stock concentration of **10 ug/mL (use at a final working concentration of 20 ng/mL)**
- 4.3 Open everything under hood!
- 4.4 Add 1 mL of **sterile**, distilled water to EGF bottle
- 4.5 Transfer contents to 15 mL tube (remove cap of bottle to do this)
- 4.6 Rinse EGF bottle with 1 mL of water and add this to the 15 mL tube
- 4.7 Add 8 mL more water to the tube (total of 10 mL of water used)
- 4.8 Aliquot 500 µL into 1 mL **sterile** Eppendorf tubes.
- 4.9 Store at -20°C (in Growth Factor box in Freezer #2, B026-314S)
- 4.10 Use 10 mL of water when EGF bottles contain 100 µg.

### 5.0 Applicable References

### 6.0 Change Description

Revision	Date	Reference	Description of Change
2	11/4/13	TL	Updated locations and clarified use versus stock concentrations