

	SOP-BCR-4.5	<b>Preparation of Hydrocortisone (HC)</b>	Author: S.Clouthier  Approved: M. Wicha 	Rev. 1.00	Issued: 07/16/09 Revised: 7/13/12
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### 1.0 Purpose

The purpose of SOP 4.5 is to describe how to prepare Hydrocortisone (HC)

### 2.0 Scope

SOP 4.5 is intended to cover all resources, personnel and equipment in the BCR laboratory.

### 3.0 Materials

No.	Name	Description	Storage Location
1.0	HC	Hydrocortisone	Chemical Cabinet (026-314S)
2.0	EtOH	Ethanol	Flammable cabinet

### 4.0 Procedure

- 4.1 Source: Sigma Chemicals H4001, 1g size
- 4.2 Use at a final concentration of 1 mg/mL.
- 4.3 Measure out 100mg of Hydrocortisone.
- 4.4 Dissolve HC in 50mL of 100%/200 proof ethanol.
- 4.5 Leave in the hood for a minimum of 1 hour until white HC powder completely dissolved.
- 4.6 In a sterile environment, add 50 mL sterile distilled water (always use ddi water that has been run through a Millipore Stericup filter).
- 4.7 Store at -20°C in 20mL aliquots in Freezer #2 (026-328S-A) and Freezer #4.
- 4.8 **DO NOT STERILE FILTER HYDROCORTISONE!**

### 5.0 Applicable References

### 6.0 Change Description

Revision	Date	Reference	Description of Change
1.0	7/13/12	CL	Updated room locations