

	SOP-BCR-4.29	Preparation of Estradiol/Estrogen water for mice	Author: S. Clouthier  Tahra Luther Approved: M. Wicha 	Rev: 1.0	Issued: 4/21/15 Revised:
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1.0 Purpose

The purpose of SOP 4.29 is to provide information on proper procedure for preparing estradiol/estrogen water to give to mice with ER+ tumors.

2.0 Scope

SOP 4.29 is intended to cover all resources, personnel and equipment in the BCR laboratory.

3.0 Materials

No	Name	Description	Location
1.0	17beta Estradiol	Sigma cat# E2758	Fridge 1 (B026-314S)
2.0	Ethanol	100% (200 proof)	Fume hoods

4.0 Procedure

- 4.1 Measure out 2.7 mg of estradiol and dissolve in 1 mL of 100% ethanol.
- 4.2 Add 588 uL of this 2.7 mg/mL stock to 200 mL drinking water to administer to mice at a final concentration of 8 ug/mL. Administer in amber bottles (estrogen can be light-sensitive).
- 4.3 Replace the water twice a week.
- 4.4 Store any unused stock in the freezer for up to 1 year.

5.0 Applicable References

6.0 Change Description

Revision	Date	Reference	Description of Change