

	SOP-BCR-4.23	<b>Preparation of DNase Aliquots</b>	Author: S. Clouthier  Approved: M. Wicha 	Rev: 1.0	Issued: 11/25/09 Revised: 7/17/12
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**1.0 Purpose**

SOP-BCR-4.23 details the preparation of 1mg/ml DNase Aliquots

**2.0 Scope**

BCR-SOP-4.23 covers all personnel, resources and equipment in the experimental BCR lab.

**3.0 Materials & Locations**

Description	Storage Location
Deoxyribonuclease I, filtered (DNase)	Fridge #1, (026-328S-A) Top shelf on Door
Sterile H <sub>2</sub> O	Fridge #4 (026-314S-A)

**4.0 Procedure**

- 4.1 Remove DNase (Worthington, 11mg, catalog code: DCLS) from fridge and dilute as outlined below:
- 4.2 For 11mg size, dilute DNase with 11mL of sterile H<sub>2</sub>O, final concentration should be 1mg/mL.
- 4.3 Mix well in sterile conditions until powder is completely dissolved.
- 4.4 Aliquot the diluted DNase into 500uL aliquots, label each aliquot with name, date and concentration.
- 4.5 Store aliquots at -20°C Freezer #2 (026-328S-A) in the box labeled "DNase".

**5.0 Applicable References**

- Please refer to Worthington Biochemical website for more product information and data sheets.

**6.0 Change Description**

Revision	Date	Description of Change
1.0	7/17/12	Added room locations