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

<table>
<thead>
<tr>
<th>Description</th>
<th>Storage Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deoxyribonuclease I, filtered (DNase)</td>
<td>Fridge #1, (026-328S-A) Top shelf on Door</td>
</tr>
<tr>
<td>Sterile H₂O</td>
<td>Fridge #4 (026-314S-A)</td>
</tr>
</tbody>
</table>

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 H₂O, 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 500μL 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

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>7/17/12</td>
<td>Added room locations</td>
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