#1 CONTACT INFORMATION:

<table>
<thead>
<tr>
<th>Procedure Title</th>
<th>Nano Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procedure Author</td>
<td>Brian Hartnett</td>
</tr>
<tr>
<td>Date of Creation/Revision</td>
<td>10-25-13</td>
</tr>
<tr>
<td>Name of Responsible Person</td>
<td>James R. Horn</td>
</tr>
<tr>
<td>Location of Procedure</td>
<td>FW 444</td>
</tr>
<tr>
<td>Approval Signature</td>
<td></td>
</tr>
</tbody>
</table>

#2 THIS STANDARD OPERATING PROCEDURE (SOP) IS FOR A:

- [x] Specific laboratory procedure or experiment
- [x] Generic laboratory procedure that covers several chemicals
- [ ] Generic use of specific chemical or class of chemicals with similar hazards

#3 PROCESS OR EXPERIMENT DESCRIPTION

Use of nano drop for concentration determination

<table>
<thead>
<tr>
<th>Frequency:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[ ] one time  [x] daily [ ] weekly [ ] monthly</td>
</tr>
<tr>
<td></td>
<td>[ ] other: ____________________</td>
</tr>
</tbody>
</table>

| Duration per Expt: | 2 ______ minutes; or _____ hours |

For assistance with this form contact NIU Environmental Health and Safety, 815-753-0404.
SAFETY LITERATURE REVIEW & HAZARD SUMMARY

Gloves and protective eyewear at all times. Filter barrier tips when needed.
SDS of chemicals being used and instrument manual.
This is an electronic instrument.
Be sure liquid does not come in contact with electronic components of instrument

STORAGE REQUIREMENTS

Wipe pedestal (and top) clean with KimWipe. Millipore water can be added to KimWipe, but never directly to instrument. Make sure arm is placed down when finished.

STEP-BY-STEP OPERATING PROCEDURE

1. Don personal protective equipment.
   - □ appropriate street clothing (long pants, close-toed shoes)
   - ✗ gloves; indicate type: _______Latex________________________
   - □ safety goggles  ✗ safety glasses  □ face shield
   - ✗ lab coats
   - □ other:_____________________________________

2. Check the location and accessibility of the safety equipment that serves your lab:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Fume</td>
<td></td>
</tr>
<tr>
<td>Hood/Glove Box or other</td>
<td>Location: FW 444</td>
</tr>
<tr>
<td>Ventilation Control</td>
<td></td>
</tr>
<tr>
<td>Eyewash/Safety Shower</td>
<td>Location: FW444</td>
</tr>
</tbody>
</table>
3. Lift arm, wipe clean with KimWipe (may add millipore water to KimWipe, not directly to instrument). Add 2μL of blank, lower arm, blank instrument, raise arm, clean with KimWipe, and add 2μL sample, lower arm, measure and repeat as needed.

4.


6. Clean up work area and lab equipment.

7. Remove PPE and wash hands.

---

**WASTE DISPOSAL**

Used tips should be disposed of accordingly (waste bin or biohazard)

---

**TRAINING REQUIREMENTS**

**General Training** *(check all that apply)*:

- [x] General Safety & Emergency Preparedness
- [ ] Chemical Safety for Laboratories
- [ ] Radiation Safety
- [x] Biosafety training
- [ ] Other: ____________________

**Location Where Records Maintained:**

NIU stockroom

---

For assistance with this form contact NIU Environmental Health and Safety, 815-753-0404.
Laboratory-specific training *(check all that apply):*

- ☑ Review of SDS for other chemicals involved in process/experiment
- ☑ Review of this SOP
- ☐ Other: __________________________

| Location Where Records Maintained: | NIU stockroom |

Prior approvals are required by the following University Committees: