

Laboratory Experiment Proposal Submission

Experimental Details

Experiment location: E134
Experiment title: SANS of Engineered Vector
Experiment date: 7/15/12
Experiment contactname: Nick Clark
Experiment contactphone: 970-412-9013
Experiment contactemail: nicholas.clark@nist.gov

Chemicals Used

<u>Chemical Name</u>	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Special Hazards</u>
Deuterium Oxide	Blank	Blank	Blank	BIO
Engineered Viral Vector	1	0	0	

Reactants and Resulting Samples

<u>Chemical Name</u>	<u>Hazardous?</u>	<u>Known Hazards</u>
Engineered Viral Vector	N	Biosafety 1 level material

Required Safety Equipment

- Glove Neoprene
- Lab Coat
- Hood Acids

Required Laboratory Equipment

- Hot Plate
- Temperature Bath

Experimental Write Up

0. All manipulations will be carried out in the fume hood for acids.
1. Sample will be transferred to a dialysis cassette.
2. Dialysis cassette with sample will be placed into a 1 L beaker containing D2O.
3. Dialysis will continue for 3 hours.
4. Sample will be transferred into SANS sample holders and sealed.
5. SANS sample holders with sample will be placed into a sealed tupperware box which will itself be put into a second tupperware container to transfer the material to guide hall.
6. After experiments samples will be placed into 70 C heat bath.
7. All surfaces will be washed with bleach per the biosafety 1 recommendations on the MSDS for the viral vector.

Experimenter Signature: _____

Date: _____

Lab Responsible Signature: _____

Date: _____