##### Kelly Lab SOP for Acrylamide Use

University of Washington

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| Standard Operating Procedures for Chemicals or Processes | | | |
| #1 Process  (if applicable) | Use of Acrylamide. Use in polyacrylamide gels. | | |
| #2 Chemicals | Un-polymerized acrylamide is toxic (neurotoxin) and suspect carcinogen. | | |
| #3 Personal Protective Equipment (PPE) | Double layers of nitrile gloves, lab coat, and goggles required when handling the solid powder. Use diapers when pouring gels. | | |
| #4 Environmental /  Ventilation Controls | Handle powder inside the designated fume hood located in H159-NOTE that you should preferably work with prepared solutions to avoid this hazard. | | |
| #5 Special Handling Procedures & Storage Requirements | Avoid getting the unpolymerized acrylamide on skin, gloves, clothing, etc. | | |
| #6 Spill and Accident Procedures | If skin contact is made, wash copiously with water. Call Poison Control Center if necessary. Absorb spill with diatomaceous earth and call EH&S at 543-0467 for further information. | | |
| #7 Waste Disposal | Polymerized acrylamide is non-toxic and can be disposed in the trash. Unpolymerized liquid is hazardous waste. Label with Hazardous Waste Label, accumulate according to requirements, and send in Chemical Collection Request or Routine Pickup request, both available online at <http://www.ehs.washington.edu/epowaste/chemwaste.shtm>. | | |
| #8 Special Precautions for Animal Use  (if applicable) | N/A | | |
| Particularly hazardous  substance involved? | | X YES: | Blocks #9 to #11 are Mandatory |
| NO: | Blocks #9 to #11 are Optional. |
| #9 Approval Required | Users must receive specific process training and information about acrylamide from their supervisor before being authorized to perform procedures. | | |
| #10 Decontamination | Double nitrile gloves. Use copious amounts of soap and water. | | |
| #11 Designated Area | Inside fume hood in H159. | | |
| Name: Title: | | | |
| Signature: Date: | | | |

Environmental Health and Safety, Box 354400 \**to be filled in by PI or Supervisor*

Training Acknowledgement:

As the Principal Investigator, it is your responsibility to ensure that all individuals listed in this protocol is taught correct procedures for the safe handling of hazardous materials involved in this study. It is also your responsibility to assure that your personnel attend Lab Core Safety Training and other applicable safety training courses.

Both PI and all persons associated with the protocol must sign the following acknowledgement:

***I have read, asked questions, and understand the hazards of and safe working procedures for the activity/materials described herein.***

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| PI Signature |  | **Date** |  |
| Other Personnel |  |  |  |
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