

# 2016 Safety Refresher Training

Presented By:  
The Ragon Institute Lab Groups

September 13, 2016

# POST EXPOSURE PROCEDURES FOR BIOHAZARD MATERIALS

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13Sep16 Allen Lab

# Biohazardous exposure SOP

- **WASH**

- Remove contaminated garments
- Wash with soap and water 15 minutes
  - If your eyes or face are exposed, use an eyewash or safety shower
- Find a BUDDY to coordinate cleanup and containment

# Biohazardous exposure SOP

- **WASH**

- **CALL**

1. Call **MGH Occupational Health** at **617-726-2217**, and describe the incident.
  - Have **relevant information** ready

# “Relevant Information”

• **POST POTENTIAL EXPOSURE INFORMATION CHECKLIST**

• Information should be gathered as quickly as possible by you or a BUDDY.

• Name: \_\_\_\_\_ Badge Number: \_\_\_\_\_

• PI Name: \_\_\_\_\_

• **Material (circle all that apply)**

• Cell culture supernatant Human Whole Blood  
• Non-Human Primate Plasma High titer stock virus  
(JRCSF, NL43, IIIb, Other)  
• Mouse Plasma PBMCs  
• Other Cultured Cells

• **Source Information: Do not delay reporting to search for information!**

• Patient ID (Ragon, Fenway, Alias, Other) \_\_\_\_\_

• Date of Sample \_\_\_\_\_

• Patient HIV Status: POS NEG UNKNOWN

HIV Viral Load? \_\_\_\_\_

• Patient HCV Status: POS NEG UNKNOWN

HCV Viral Load? \_\_\_\_\_

• Other Coinfections: \_\_\_\_\_

• Drug Resistance Mutations: \_\_\_\_\_

• Study/Project/Collaborator information: \_\_\_\_\_

• **Route of Exposure (circle all that apply)**

• Needlestick Other sharps stick Splash to broken skin  
• Laceration Other Inhalation/Ingestion Splash to face (eyes, nose, mouth)  
• Other

• **Location of Incident**

• Building: \_\_\_\_\_ Floor: \_\_\_\_\_ Room: \_\_\_\_\_

• Other: \_\_\_\_\_

• **DESCRIPTION OF INCIDENT:**

\_\_\_\_\_  
\_\_\_\_\_

Log on to RagonConnect (note: this is not tied to your partners ID login), and select “lab SOPs” under “Connect to Resources For:” | “Laboratory Staff” on the bottom right. Open SOP 01-02 EMERGENCY PROCEDURE FOR ACCIDENTAL EXPOSURE MAY 2016”

# Biohazardous exposure SOP

- **WASH**

- **CALL**

1. Call **MGH Occupational Health** at **617-726-2217**, and describe the incident.
  - Have **relevant information** ready
2. Call your supervisor. Describe the situation and recommendation from occupational health

# Biohazardous exposure SOP

- **WASH**
- **CALL**
- **GO**
  - Proceed to MGH or the ER, as instructed by occupational health

# Biohazardous exposure SOP

- **WASH**
- **CALL**
- **GO**
- **REPORT**
  - As soon as possible **after** receiving medical care, within 24 hours



# Reporting

1. Report the incident to your **lab manager** or directly to **Alicja Trocha** at 603-275-6685
2. Report the incident to a **Ragon Institute Biosafety Officer**
3. Complete an **Incident Report**
  - Some incidents require reporting to regulatory authorities within 24 hours
    1. Log on to RagonConnect (note: this is not tied to your partners ID login)
    2. On the bottom of the page, under “Quick Links”, navigate to the “Incident Reporting system” link
    3. Enter your partners ID login
    4. Select “Research Laboratory / Other Event”
    5. Fill out the form, and submit

# Biohazardous exposure SOP

- **WASH**
- **CALL**
- **GO**
- **REPORT**
  
- To find this information:
  - Log on to RagonConnect (note: this is not tied to your partners ID login)
  - Select “lab SOPs” under “Connect to Resources for:” “Laboratory staff”
  - Open SOP 01-02 “EMERGENCY PROCEDURE FOR ACCIDENTAL EXPOSURE\_MAY\_2016”

# EMERGENCY CONTACTS:

- **Daniel Worrall, NP**                      **CELL: (781) 696 0365**
- **Doug Kwon, MD**                        **CELL: (415) 215 5337**
- **Eileen Scully, MD**                      **CELL: (203) 906 6071**
- **Lenette Lu, MD**                         **CELL: (216) 650 1307**
- **Boris Juelg, MD**                        **CELL: (617) 401 6725**
- **Bruce Walker, MD**                      **CELL: (617) 633 3691**

# TRANSPORT OF SAMPLES BETWEEN LABS TO/FROM RAGON

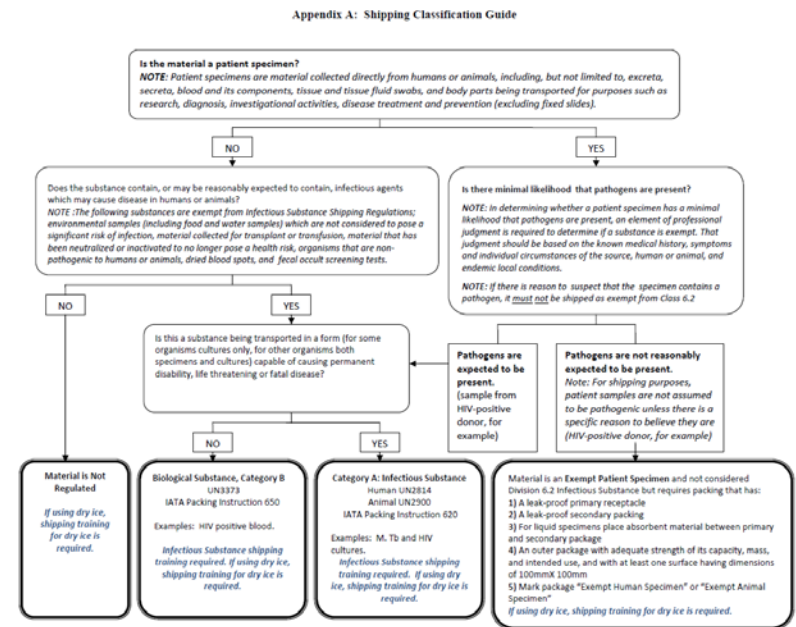


Xu/Mathias Lab  
September 13, 2016  
Ragon Annual Safety  
Refresher



# Ragon shipping SOP

- What is it?
  - Standard operating procedure on how to properly ship samples to/from Ragon
  - Compliance with country (import/export) & Ragon-specific requirements
  - Provides guidance on options for:
    - Classification
    - Modes of transportation
    - Etc.



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  - Covers:
    - Category A infectious substances (i.e. HIV)
    - Category B biological substances (i.e. infected blood)
    - Exempt patient samples (samples not suspected to be infected)
    - Anything on dry ice

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  - Procedure:
    - Classification
    - Packaging
    - Marking/labeling
    - Paperwork

# Ragon shipping SOP

- What does it require?
  - IATA (International Air Transport Association) & DOT (Department of Transportation) training every 2 years
  - Proper modes of transportation

Mode of Transportation	Yes or No	Notes
Partners Shuttle	YES	
Carrier (e.g. FedEx)	YES	
Walking	YES	Use tote bag
Biking	YES (not preferred)	Use tote bag
Taxi	YES	If they agree
Moped	NO	
Personal or Rental Vehicle	NO	
Public Transportation	NO	

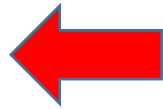
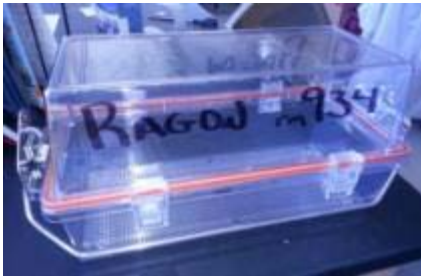


# Secondary containers



- What is it?

- Container that holds primary container (samples, reagents, etc.) & is securely closed
- Durable, leak (and preferably break)-resistant, tight fitting lid



**Infectious  
Non inactivated**



**fixed**

# Secondary containers



- What is it?
  - Container that holds primary container (samples, reagents, etc.) & is securely closed
  - Durable, leak (and preferably break)-resistant, tight fitting lid
- Purpose of it:
  - Provide a second layer of protection between substance and environment/people if primary container leaks or breaks
- Once hazardous sample has been placed inside secondary container, all person protective equipment must be removed before leaving the lab.

# Using stairs or freight elevator when transporting within Ragon

- Capable of carrying heavier loads than passenger elevators
- Avoid spread of contamination
- Create a comfortable environment for others



# How to ensure that you don't contaminate handles

- Only one hand should be gloved
- Use ungloved hand to open doors and touch clean surfaces



# Shipping outside of Ragon requirements

- Check for regulatory permits required for import/export of material
  - Work with the Biosafety Officer (Betsy) to obtain required permits (may require time so plan accordingly)
- Determine appropriate date for shipment
- Classify research samples (for assistance, contact Ragon Environmental Health & Safety)
- Package the samples
- Transport & ship samples via following methods:
  - FedEx or courier service, Partners shuttle, taxi (if provider agrees to transport), walking, or bicycling (not encouraged)



**STP-302**

**STP-302 Category B / Exempt Shipping System, Insulated**

STP-302 Category B / Exempt Shipping System, Insulated - 8/Case • Outer Box - OD 8 x 6 3/4 x 6" pre-printed with Biological Substance, Category B, UN 3373 and Exempt Human/Animal Specimen Markings • Insulated Chest - ID 6 x 4.5 x 4" • STP-150 50ml Absorbent Strip (1 ea.) • STP-700 Disposable 2-Part Secondary Pressure Vessel, Small (1 ea.)



**STP-308SYS**

**STP-308SYS Category B / Exempt Shipping System, Insulated**

STP-308SYS Category B / Exempt Shipping System, Insulated - 8/Case Outer Box - OD 11 3/4 x 10 x 15 1/2", pre-printed with Biological Substance, Category B and UN 3373 Markings; Insulated Chest - ID 8 x 6 x 11 1/2"; STP-151 Absorbent Strip (100 mL) (1 ea.); STP-609 Saf-T-Rap® Sticky Bubblewrap, 6 x 12" (1 ea.); STP-710 Disposable Secondary Pressure Vessel (Medium) (1 ea.);

STP-804 UN 1845 Marking (1 ea.); STP-819 Exempt Human/Animal Specimen Marking (1 ea.);



**STP-309DI**

**STP-309DI Category B / Exempt, Insulated Dry Ice Shipping System**

STP-309DI Category B / Exempt, Insulated - 8/Case Outer Box - OD 11 1/4 x 9 1/2 x 8 1/2" pre-printed with Biological Substance, Category B and UN 3373 Markings; Inner Box - OD 7 3/4 x 4 1/4 x 2 1/8"; Insulated Chest - ID 7 3/4 x 5 3/4 x 5"; STP-150 Absorbent Strip (50 mL) (1 ea.); STP-609 Saf-T-Rap® Sticky Bubblewrap, 6 x 12" (1 ea.); STP-700 Disposable Secondary Pressure Vessel

(Small) (1 ea.); STP-804 UN 1845 Marking (1 ea.); STP-819 Exempt Human/Animal Specimen Marking (1 ea.)



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ea.); STP-804 UN 1845 Marking (1 ea.); STP-819 Exempt Human/Animal Specimen Marking (1 ea.);



**STP-320**

**STP-320 Category B & Exempt Shipping System, Insulated**

STP-320 Category B & Exempt Shipping System, Insulated. Validated with SAF-T-TEMP Thermal Paks, Gel Paks & Dry Ice. Maximum Capacity: Two 500ml Blood Bags. 4 per case.



**STP-320R**

**STP-320R Category B, Insulated Shipper with Reusable Secondary Pressure Vessel**

STP-320R Category B, Insulated Shipping System with Reusable Secondary Pressure Vessel, 1.25L Polypropylene Secondary Pressure Vessel. Validated with Dry Ice, Gel Packs and Saf-T-Temp Paks. 4 per case



**STP-340**

**STP-340 Category B Insulated Shipping System with Disposable Secondary Pressure Vessel**

STP-340 Category B Insulated Shipping System with Disposable Secondary Pressure Vessel - Quantity - 2/ Carton System Components: • Outer Box - OD 18 x 15 x 14.5", pre-printed with Biological Substance Category B Marking, Exempt Human/Animal Specimen Marking, UN3373

Marking, Orientation Arrows • Insulated Chest - ID 14 x 13 x 13.5" • Inner Box - OD 14.5 x 13.75 x 6.25" • CTO 150

# Thank You!

