



## Training on Basic Laboratory Biosafety and Biorisk Management Part I

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### Audience/Participants:

Cambodian laboratory biosafety officers (BO): 5 BO from central level and 25 BO from provincial level.

### Trainers:

Cambodian trainers who had accomplished the training of Effective and Sustainable Training for Biorisk Management Training Development Program:

1. Dr. SAU Sokunna
2. Ph. SAM Sopheap
3. Ph. UCH Monipheap
4. Ph. Boy Chan Sopheap
5. Ph. Touch Sokha

**Date and place:** 17<sup>th</sup> – 21<sup>st</sup> December 2018 at Neang Konghing Village, Kg Cham province

### Overview:

Bureau of Medical Laboratory Services (BMLS), Department of Hospital Services (DHS), on behalf of Ministry of Health (MOH) will conduct the training on Laboratory Biosafety and Biorisk management for Cambodian laboratory managers or biosafety officers Part 1 with support from World Health Organization (WHO). The goal of this training is to bring awareness of biosafety and biorisk based on the 1<sup>st</sup> part of the Cambodian National Biosafety Curriculum for Laboratory Services, section 1) Basic course for non-microbiology laboratories.

### Agenda:

#### Day 1 – Dec 17<sup>th</sup>, 2018 (Introduction to biorisk management)

Time	Session	
8:30 – 9:00	Registration	Pharm. Uch Monipheap
9:00 – 9:45	<b>-Welcome and Introductions</b> <b>-Objective of Training</b> <b>-Opening Remark</b>	<b>-Welcome from Provincial Health Department of Kg Cham</b> <b>-Objective of training Representative from WHO</b> <b>- Opening remark, Dr. Sau Sokunna, Deputy Director of DHS</b>

<b>9:45 – 10:00</b>	Coffee break	
<b>10:00 – 12:00</b>	<b>1.1. Biosafety and biosecurity introduction</b>	<b>Dr. Sau Sokunna</b>
<b>12:00 – 13:30</b>	Lunch	
<b>13:30 – 14:30</b>	<b>1.1. Biosafety and biosecurity introduction (Cont')</b>	<b>Pharm. Uch Monipheap</b>
<b>14:30 – 15:30</b>	<b>1.2. Biorisk management introduction</b>	<b>Pharm. Sam Sopheap</b>
<b>15:30 – 15:45</b>	Coffee break	
<b>15:45 – 16:45</b>	<b>1.2. Biorisk management introduction</b>	<b>Pharm. Sam Sopheap</b>
<b>16:45 – 17:00</b>	<b>Summarize day 1</b>	<b>Pharm. Uch Monipheap</b>

**Day 2 – Dec 18<sup>th</sup>, 2018 (Biorisk assessment and mitigation)**

<b>Time</b>	<b>Session</b>	
<b>8:30 – 8:45</b>	<b>Recap of day 1</b>	<b>Pharm. Uch Monipheap</b>
<b>8:45 – 10:00</b>	<b>1.3. Risk assessment, purposes, approaches and general mitigation strategies</b>	<b>Dr. Sau Sokunna</b>
<b>10:00 – 10:15</b>	Coffee break	
<b>10:15 – 12:00</b>	<b>1.3. Risk assessment, purposes, approaches and general mitigation strategies (Cont')</b>	<b>Ph. Touch sokha</b>
<b>12:00 – 13:30</b>	Lunch	
<b>13:30 – 15:30</b>	<b>Practical exercises on Risk assessment</b>	<b>All trainers</b>
<b>15:30 – 15:45</b>	Coffee break	

<b>15:45 – 16:45</b>	<b>1.4. Risk management program development</b>	<b>Pharm. Boy Chan Sopheap</b>
<b>16:45 – 17:00</b>	<b>Summarize day 2</b>	<b>Pharm. Sam Sopheap</b>

**Day 3 – Dec 19<sup>th</sup>, 2018 (Biorisk management program development)**

<b>Time</b>	<b>Session</b>	
<b>8:30 – 8:45</b>	<b>Recap of day 2</b>	<b>Pharm. Sam Sopheap</b>
<b>8:45 – 10:00</b>	<b>1.4. Risk management program development (Cont')</b>	<b>Pharm. Boy Chan Sopheap</b>
<b>10:00 – 10:15</b>	Coffee break	
<b>10:15 – 12:00</b>	<b>Practical exercises on Risk Management</b>	<b>All trainers</b>
<b>12:00 – 13:30</b>	Lunch	
<b>13:30 – 15:30</b>	<b>1.5. Developing, evaluating and validating Standard Operating Procedures</b>	<b>Ph. Touch Sokha</b>
<b>15:30 – 15:45</b>	Coffee break	
<b>15:45 – 16:45</b>	<b>1.5. Developing, evaluating and validating Standard Operating Procedures (Cont')</b>	<b>Ph. Touch Sokha</b>
<b>16:45 – 17:00</b>	<b>Summarize day 3</b>	<b>Pharm. Boy Chan Sopheap</b>

**Day 4 – Dec 20<sup>th</sup>, 2018 – (SOP development and evaluation)**

<b>Time</b>	<b>Session</b>	
<b>8:30 – 8:45</b>	<b>Recap of day 3</b>	<b>Pharm. Boy Chan Sopheap</b>

<b>8:45 – 10:00</b>	<b>Practical exercises on evaluating and validating SOPs</b>	<b>All trainers</b>
<b>10:00 – 10:15</b>	Coffee break	
<b>10:15 – 12:00</b>	<b>1.6. Principles of primary containment: Personal protection equipment, laboratory equipment and good laboratory work practices.</b>	<b>Ph. Ton Chhavivann</b>
<b>12:00 – 13:30</b>	Lunch	
<b>13:30 – 15:30</b>	<b>1.6. Principles of primary containment: Personal protection equipment, laboratory equipment and good laboratory work practices.</b>	<b>Ph. Touch sokha</b>
<b>15:30 – 15:45</b>	Coffee break	
<b>15:45 – 16:45</b>	<b>Practical exercises on use of PPE</b>	<b>All trainers</b>
<b>16:45 – 17:00</b>	<b>Summarize day 4</b>	<b>Ph. Touch Sokha</b>

**Day 5 – Dec 21<sup>st</sup>, 2018 - (Incident Management Response)**

<b>Time</b>	<b>Session</b>	
<b>8:30 – 8:45</b>	<b>Recap of day 4</b>	<b>Ph. Touch Sokha</b>
<b>8:45 – 10:00</b>	<b>1.7. Decontamination and laboratory waste disposal</b>	<b>Pharm. Uch Monipheap</b>
<b>10:00 – 10:15</b>	Coffee break	
<b>10:15 – 11:15</b>	<b>Practice of wastes disposal</b>	<b>All trainers</b>

<b>11:15 – 12:00</b>	<b>1.8. Non-biological laboratory hazards</b>	<b>Ph Ton Chhavivann</b>
<b>12:00 – 13:30</b>	Lunch	
<b>13:30 – 15:00</b>	<b>1.9. Emergency response</b>	<b>Dr. Sau Sokunna</b>
<b>15:00 – 16:00</b>	<b>Practice exercises on emergency respond</b>	<b>All trainers</b>
<b>16:00 – 16:15</b>	Coffee break	
<b>16:15 – 16:30</b>	<b>Summarize day 5</b>	<b>Dr. Sau Sokunna</b>
<b>16:30 – 16:45</b>	<b>Closing</b>	<b>DHS and WHO</b>