

**INSTITUTIONAL BIOSAFETY & BIOSECURITY COMMITTEE (IBBC)**

|  |  |  |  |
| --- | --- | --- | --- |
| Conducted by:(Name, Matric/Staff No., Contact No., Email) |  | Title of project (if any): |  |
| Student (UG/MSc/PhD) or Staff (position): |  |
| Process/location: |  | Conducted date (from….to….): |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Biohazard Identification** | **Risk analysis** | **Risk control** |
| **No.** | **Work activity** | **Biohazard**(Source, Situation orAct With aPotential for Harm) | **Risk / Effect**[Occurrence of aHazardous Eventor Exposure(s) /Injury or IllHealth that canBe Caused Bythe Event orExposure(s)] | **Existing risk control**(Hierarchy of Control:1. Elimination2. Substitution3. Engineering Control4. Signage Warnings and/or Administrative Controls5. Personal Protective Equipment) | **Likelihood**The frequency for the incidence to occur:1-rare2-unlikely3-possible4-likely5-almost certain | **Consequence**The effect when the incidence occur:1-insignificant2-minor3-moderate4-major5-catastrophic | **Risk rating\***L – lowM – moderateH – highE – extremely high   | **Recommended control measures**(Hierarchy of Control:1. Elimination2. Substitution3. Engineering Control4. Signage/Warnings and/or Administrative Controls5. Personal Protective Equipment) | **Due date/status** |
| 1*EXAMPLE* | *Culturing and harvesting 1 L Bacillus cereus culture* | *a) Bacillus cereus culture**Refer to Pathogen Safety Data Sheet, PSDS**(*[*https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment.html*](https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment.html)*)* | *Spillage may cause opportunistic infections and clinical infections such as endophthalmitis and other ocular infections**Ingestion may cause* *causes self-limiting (24-48 hours) food-poisoning syndromes such as a diarrheal type and an emetic (vomit) type* | * *Work in clean bench (laminar flow hood)*
* *GLP*

*Wearing proper PPE (mask, glove)* | *1* | *3* | *M* | *Follow existing control* |  |
| *b) Spinning down biological materials* | *Create aerosol that lead to opportunistic infections and clinical infections*  | * *Using closed rotor*
* *GLP*
* *Wearing proper PPE (mask, glove)*
 | *4* | *3* | *M* | *Follow existing control* |  |
| 2 |  |  |  |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| Supervisor (if any) or Superior:(Name, designation, Contact No) |  | Signature and Stamp of supervisor/superior:Date: |
| Office Use Only:  |
| Approved by:(Name, designation) |  | Signature of Approver:Date: |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Risk rating\***

|  |  |
| --- | --- |
| **Likelihood** | **Consequences** |
| Insignificant(1) | Minor(2) | Moderate(3) | Major(4) | Catastrophic(5) |
| (5) Almost Certain | M | H | H | E | E |
| (4) Likely | M | M | H | H | E |
| (3) Possible | L | M | M | H | E |
| (2) Unlikely | L | M | M | M | H |
| (1) Rare | L | L | M | M | H |

L – low, M – moderate, H – high, E – extremely high | **Submit/email the form to IBBC representative of each Kulliyyah:**  |
| KOEINHART KOP KOM KON KOD KAHS KOS CREAM INOCEM  | Mdm. Rashidah RashidAsst. Prof. Dr. Noor Faizul Hadry Nordin Mdm. Siti Rusianti Tomin Mdm. Madia Baizura BaharomMdm. Siti Nafizah Mohamed Basri Mdm. Fatimah Maryam Ali Br. Mohd. Azril M. Yusof Sr. Che Nor Zarida Che Seman Sr. Puteri Amirah Adib KamaruzzamanMdm. Rozie Syahirah Roslan  | rashidahr@iium.edu.myfaizul@iium.edu.mysrusianti@iium.edu.mymadia@iium.edu.mysitinafizah@iium.edu.mymaryamali@iium.edu.my  azril\_yusof@iium.edu.my zarida@iium.edu.myputeriadib@iium.edu.myrozieroslan@iium.edu.my  |
| **For more Information, visit our website at** [**http://www.iium.edu.my/drri/about-ibbc**](http://www.iium.edu.my/drri/about-ibbc) |