

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

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| 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….): |  |

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|  | **Biohazard Identification** | | | **Risk analysis** | | | | **Risk control** | |
| **No.** | **Work activity** | **Biohazard**  (Source, Situation or  Act With a  Potential for Harm) | **Risk / Effect**  [Occurrence of a  Hazardous Event  or Exposure(s) /  Injury or Ill  Health that can  Be Caused By  the Event or  Exposure(s)] | **Existing risk control**  (Hierarchy of Control:  1. Elimination  2. Substitution  3. Engineering Control  4. Signage Warnings and/or Administrative Controls  5. Personal Protective Equipment) | **Likelihood**  The frequency for the incidence to occur:  1-rare  2-unlikely  3-possible  4-likely  5-almost certain | **Consequence**  The effect when the incidence occur:  1-insignificant  2-minor  3-moderate  4-major  5-catastrophic | **Risk rating\***  L – low  M – moderate  H – high  E – extremely high | **Recommended control measures**  (Hierarchy of Control:  1. Elimination  2. Substitution  3. Engineering Control  4. Signage/Warnings and/or Administrative Controls  5. 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* |  |
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| 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: |

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| **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:** | | |
| KOE  INHART  KOP  KOM  KON  KOD  KAHS  KOS  CREAM  INOCEM | Mdm. Rashidah Rashid  Asst. Prof. Dr. Noor Faizul Hadry Nordin  Mdm. Siti Rusianti Tomin  Mdm. Madia Baizura Baharom  Mdm. Siti Nafizah Mohamed Basri  Mdm. Fatimah Maryam Ali  Br. Mohd. Azril M. Yusof  Sr. Che Nor Zarida Che Seman  Sr. Puteri Amirah Adib Kamaruzzaman  Mdm. Rozie Syahirah Roslan | [rashidahr@iium.edu.my](mailto:rashidahr@iium.edu.my)  [faizul@iium.edu.my](mailto:faizul@iium.edu.my)  [srusianti@iium.edu.my](mailto:srusianti@iium.edu.my)  [madia@iium.edu.my](mailto:madia@iium.edu.my)  [sitinafizah@iium.edu.my](mailto:sitinafizah@iium.edu.my)  [maryamali@iium.edu.my](mailto:maryamali@iium.edu.my)  [azril\_yusof@iium.edu.my](mailto:%20azril_yusof@iium.edu.my) [zarida@iium.edu.my](mailto:zarida@iium.edu.my)  [puteriadib@iium.edu.my](mailto:puteriadib@iium.edu.my)  [rozieroslan@iium.edu.my](mailto:rozieroslan@iium.edu.my) |
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