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| KI-Logo_pos_sv | Version 6 (Januari 2025) | **Document name:**  |
| **Reference number /version (optional):**  |
| Risk assessment form for blood and other human sample materials (HUMRA) | **Date (year-month- day):**  |
| * This form should be used for identification and characterization of risks involved in working with human (and monkey) blood and any other sample material, including primary cell cultures of human origin.
* **Note that this form can neither be used for any cultivation of microorganisms (then BARA forms should be used) nor for genetically modified micro-organisms!**
* The blood or other human sample materials is be characterized in Part A. Each type of method involving blood or other human sample materials should be evaluated in Part B. Note that more than one form B might be needed for different activities with the same material. B1 applies in the laboratory setting and B2 when performing animal experiments.
* Please read KIs “rules for the handling of blood and other human sample materials” before performing this risk assessment
* For chemical risk assessments, see the risk assessment form in "KLARA"

**When finished, print and place this form in the lab so that each researcher can consult it before conducting experiments** |
| A) CHaracterization of the specimen(s) |
| **Department:**       | **Group leader /PI:**      |
| **Room number(s):**       |
| **Lab responsible person (if applicable):**       |
| **Description of specimen** |       |
| **Source of the specimen**  |       |
| **Special properties of the specimen(s)****Specific risks to be considered** |       |

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| B1) – laboratory work | Reference number /version (optional):       |
| **General description of the work**  |       |
| **Method description(s) including type of work (cultivation etc.): Please elaborate** |       |
| **Which part(s) of the handling possesses the highest risk of infection (e.g. propagation, sonication, centrifugation, use of needles)?**  |       |
| **Safety procedures to minimize the risk of laboratory infections: e.g. how to avoid splashes and sharp objects**  |       |
| **Expected time of risk for exposure[[1]](#footnote-1):** |       |
| **Handling procedures for the specimen:**[ ]  **Protective gloves** Specification of gloves:      [ ]  During the whole method. [ ] During parts of the method, which part(s)?     [ ]  **Protective clothing**. Please specify:      [ ]  **Splash protection**. Please specify (e.g. face shield, standing shield, googles):       [ ]  During the whole method. [ ] During parts of the method, which part(s)?      [ ]  **Work in a biological safety cabinet1**  [ ]  Class 1[ ]  During the whole method. [ ] During parts of the method, which part(s)?      [ ]  Class 2 [ ]  During the whole method. [ ] During parts of the method, which?     [ ]  **Use of integrated safety devises**  [ ]  During the whole method. [ ] During parts of the method, which part(s)?     **Other**, please elaborate:       |
| **Does the method involve hazardous chemicals (including isotopes)?[[2]](#footnote-2)** | [ ]  No[ ]  Yes, which?      , which risk statements?       Does the handling of dangerous chemicals need a separate risk assessment? If yes; name of the risk assessment:       |
| **Liquid waste.**Please specify type of liquid waste generated[[3]](#footnote-3).How is liquid waste handled?Does it contain mixed sources e.g. antibiotics/chemicals that need special considerations? |      [ ]  No[ ]  Yes, which?      , how should this be handled?        |
| **Solid waste.**Please specify type of solid waste generated.How is solid waste handled? |       |
| **Suitable disinfection method of lab area/biosafety cabinet.**  |       |
| **Requirements for the laboratory.**  |       |
| **Are all personnel working in this lab vaccinated against Hepatitis B?****If other relevant immunization is available, are all personnel working in this lab vaccinated?** | [ ]  Yes[ ]  No. Why:      [ ]  Yes[ ]  No. Why:       |
| **Emergency procedures (in case of accident, spill, theft etc.)**  |       |
| **Name and phone number of contact person (in case of accident):** |       |
| **Does the laboratory work follow ‘Specific hygiene measures’[[4]](#footnote-4)?** |       |
| **How many employees are performing the experiments (or otherwise involved)?** |       |
| **Are all employees educated in the risks of infection and routes of transmission?** | [ ]  Yes [ ]  No, why not?       |
| **Are there employees needing special consideration? E.g. pregnant employees, dish washing personnel, cleaners, and service personnel.** |       |
| **Handling and safety instructions available?[[5]](#footnote-5)** | [ ] Yes, which?       [ ]  No, why?       |
| **Other information:** |       |
| **Name in print. Note! it is recommended that more than one person evaluates the risks** |       |
| **Group leader, signature.** |  |

For the relevant legislation, see AFS 2023:10 Chapter 11. Supplementary information, containing further guidelines is available at <https://staff.ki.se/tools-and-support/safety-and-security/laboratory-safety/biosafety>

**This form was composed by the Biosafety Committee at KI.**

**If you have further questions, please read more at**

<https://staff.ki.se/tools-and-support/safety-and-security/laboratory-safety/biosafety>, **or send an e-mail to Biosakerhet@ki.se**

1. Describe if the work is performed rarely or regularly, for short or long periods. [↑](#footnote-ref-1)
2. Risk statements for dangerous chemicals can be retrieved from the MSDS (material safety data sheet) section 15 or from the bottle/container, for example Flammable, Causes burns etc. [↑](#footnote-ref-2)
3. Waste management and sewage rules at KI can be found at the KI homepage <https://staff.ki.se/tools-and-support/safety-and-security/laboratory-safety/laboratory-waste> [↑](#footnote-ref-3)
4. Please see § 12 in [AFS 2023:10 Chapter 11](https://www.av.se/arbetsmiljoarbete-och-inspektioner/publikationer/foreskrifter/beslutade-foreskrifter-som-trader-i-kraft-2025/afs-202310/?o=n) [↑](#footnote-ref-4)
5. An example of what must be included in the written instructions can be found at the end of the document ‘Rules for the handling of blood and other human sample materials’ [↑](#footnote-ref-5)