



| | | | |
|--|--|--|---|
| Project number: | |  IMCES |  <small>IMAGING CENTER ESSEN electron microscopy unit</small> |
| number of sample delivery in that project | | | |
| Date | | | |
| EMU Sample Declaration for assisted sample preparation | | | |

| | |
|------------------------------|--|
| Project title: | |
| Samples delivered by: | |
| Institute/Clinic: | |
| Department: | |
| Email: | |
| Phone number: | |

| | | |
|--|--|--|
| Samples shall be processed for... | <input type="checkbox"/> TEM <ul style="list-style-type: none"> <input type="checkbox"/> Standard <input type="checkbox"/> Immuno-Gold <input type="checkbox"/> Negative Staining <input type="checkbox"/> Cryo TEM | <input type="checkbox"/> SEM <ul style="list-style-type: none"> <input type="checkbox"/> Standard <input type="checkbox"/> Cryo SEM <input type="checkbox"/> FIB/SEM |
| Is handling of the samples in any context safety-relevant (S1/2, toxicity,...)? | | |
| Have samples been fixed by the user before transport to the EMU? If yes, pls. give details (fixative, concentration, time, buffer,...). | | |
| In which medium/buffer/solution are the samples delivered to the EMU? | | |
| How should samples be stored right after delivery to the EMU? | | |
| What shall the EMU do with the samples after measurement? | <input type="checkbox"/> discard | <input type="checkbox"/> return to user |

General Experiment Description

(Pls. give us a short **practical** overview how the samples were generated: **Origin** (cell culture, animal tissue, NP synthesis,...), **Treatment Details** (cell/animal treatments,...), **Preparation Details**, ...)

Additional Information for Processing

(If applicable, pls. note down wishes for processing, such as non-standard incubation times or contrast agent concentrations. Also, pls. use this field to specify potential antibody details (isotype, clone, concentration, dilution,...) for an immunogold approach)

Sample List

| # | Labeling (max. 6 characters) | Short-Description (Just for identification!. Pls. use the field on the previous page to elucidate the experimental background) |
|-----|---------------------------------|---|
| 01. | | |
| 02. | | |
| 03. | | |
| 04. | | |
| 05. | | |
| 06. | | |
| 07. | | |
| 08. | | |
| 09. | | |
| 10. | | |
| 11. | | |
| 12. | | |
| 13. | | |
| 14. | | |
| 15. | | |
| 16. | | |
| 17. | | |
| 18. | | |
| 19. | | |
| 20. | | |
| 21. | | |
| 22. | | |
| 23. | | |
| 24. | | |
| 25. | | |
| 26. | | |
| 27. | | |

Remarks

- EMU can provide You with standard fixation reagents/buffers and some basic, specific EM equipment. Please contact us for details → mike.hasenberg@uk-essen.de
- EMU will provide secondary immunogold antibodies
- please clarify all protocol details before sample delivery or even better before sample generation with EMU staff:
 - schedule all **TEM and SEM sample deliveries** with **Sylvia Voortmann** or **Bernd Walkenfort** →
sylvia.voortmann@uk-essen.de – phone: 0201/723-6079
bernd.walkenfort@uni-due.de - phone: 0201/723-6079
 - schedule all **SEM sessions with Sylvia Voortmann**
sylvia.voortmann@uk-essen.de – phone: 0201/723-6079
 - schedule all **TEM sessions** with **Bernd Walkenfort** or **Holger Jastrow**→
bernd.walkenfort@uni-due.de - phone: 0201/723-6079
holger.jastrow@uk-essen.de - phone: 0201/723-85746

To be filled out by EMU

Results/Summary/Future Plan