

6 Critical implementation risks and mitigation actions

• Foreseen Risks

Risk Number	Description of Risk	Work Packages Concerned	Proposed risk-mitigation measures
1	Low efficiency of HAB MS/MS (high)	WP3	Redesign the HAB gun, increase the H-atom flux and their energy
2	Low efficiency of CEB MS/MS (high)	WP4	Redesign the 100-1000 eV electron gun and/or optics
3	Delay in software design (medium)	WP7	Additionally, employ professional programmers
4	Despite MS/MS efforts, full sequence coverage of mAb is not obtained (high)	WP4,WP3,WP7	Increase charge state of precursor ions by super-charging via buffer exchange. Use multiple fill technique. Add IR and/or UV laser.

• Unforeseen Risks

No Unforeseen Risk has been identified for this action

• States of the Play for Risk Mitigation

Risk Number	Period	Did you apply risk mitigation measures?	Did your risk materialise?	Comments
1	1	Yes	No	Re-design of the pulsed plasma source twice in order to maximize hydrogen ion flux.
2	1	Yes	No	Re-design of the electron source twice in order to maximize electron flux.
3	1	Yes	No	

Risk Number	Period	Did you apply risk mitigation measures?	Did your risk materialise?	Comments
4	1	No	No	Not applicable yet