**MFX Parameter Table (Run 23 Standard Configurations)**

If multiple samples are planned, please add rows to the table and list all the samples proposed.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Table for the MFX Standard Configurations** | | | |
| **Sample & sample delivery** | **Sample name, description** | |  |
| **Sample State (crystalline, solution, etc.)** | |  |
| **Sample Temperature (C)** | |  |
| **Sample Delivery Method (GDVN, LCP, MESH, etc.)** | |  |
| **High-resolution jet viewing needed?** | |  |
| **Are samples light sensitive?** | |  |
| **Standard Configuration 4 (SMB Goniometer)**  **Comments :** | **Sample Base (copper magnetic, magnetic, other)** |
| **Sample holder type (loops, grids, mesh etc.) and holder dimensions** |
| **Sample Robot?** |
| **Scattering geometry** | **Desired Measurement (SAXS/WAXS/SFX)** | |  |
| **Post-sample attenuator needed? Yes/No. Specify** | |  |
| **Desired Highest Resolution (Å)** | |  |
| **Front Detector Distance (mm)** | |  |
| **Detector Desired** | **ePix10k-2.1M or**  **Rayonix 340-XFEL** | |  |
| **X-ray parameters** | **X-ray Energy (keV)** | |  |
| **Optical beam parameters** | **Pump laser needed?** | |  |
| **Wavelength (nm)** | |  |
| **Pulse duration range?** | | 8ns or 50fs |
| **Maximum pulse energy (µJ)** | |  |
| **Focal size (FWHM) (µm)** | |  |
| **Minimum fluence on target (mJ/cm2)** | |  |
| **Polarization requirements?** | |  |
| **X-ray Beam Time** | **Number of shifts**  **[1 shift = 12 hrs]** | |  |
| **Any additional comments** | | |  |