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

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

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| **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** |  |