

Default registry values for EX06 on NEXSA and K-Alpha systems.

| Mode |      |      | Electron Energy |      | Fil  | Extractor | Condenser | Drift | Magnet | Focus | X Shift | Y Shift | Ratio | Sample Current |       |       | Mode Type | Specification | Aperture |
|------|------|------|-----------------|------|------|-----------|-----------|-------|--------|-------|---------|---------|-------|----------------|-------|-------|-----------|---------------|----------|
|      |      |      | (eV)            | (mA) | (eV) | (eV)      | (eV)      | (eV)  | (A)    | (eV)  |         |         |       | (work)         | (max) | (aim) |           |               |          |
| [00] | 200  | Low  | 120             | 10   | 3    | 0         | 0         | 1700  | 0.00   | -300  | 0.0     | 0.0     | 0.3   | 0.50           | -     | 0.50  | Monatomic | -             | 700um    |
| [01] |      | Med  |                 |      |      | 0         | 0         | 1700  | 0.00   | -300  | 0.0     | 0.0     | 0.3   | 0.50           | -     | 0.50  | Monatomic | -             | 700um    |
| [02] |      | High |                 |      |      | 0         | 30        | 1800  | 0.00   | -360  | 0.0     | 0.0     | 0.5   | 1.00           | -     | 1.00  | Monatomic | YES           | 1000um   |
| [03] | 500  | Low  | 120             | 10   | 3    | 0         | 275       | 1200  | 0.00   | 125   | 0.0     | 0.0     | 0.3   | 1.00           | -     | 1.00  | Monatomic | -             | 500um    |
| [04] |      | Med  |                 |      |      | 0         | 325       | 1300  | 0.00   | 100   | 0.0     | 0.0     | 0.3   | 1.30           | -     | 1.30  | Monatomic | -             | 700um    |
| [05] |      | High |                 |      |      | 0         | 290       | 2200  | 0.00   | -100  | 0.0     | 0.0     | 0.3   | 1.70           | -     | 1.70  | Monatomic | -             | 1000um   |
| [06] | 1000 | Low  | 120             | 10   | 3    | 0         | 700       | 1400  | 0.00   | 450   | 0.0     | 0.0     | 0.3   | 1.30           | -     | 1.30  | Monatomic | -             | 500um    |
| [07] |      | Med  |                 |      |      | 0         | 750       | 1900  | 0.00   | 360   | 0.0     | 0.0     | 0.3   | 2.00           | -     | 2.00  | Monatomic | -             | 700um    |
| [08] |      | High |                 |      |      | 0         | 780       | 2400  | 0.00   | 250   | 0.0     | 0.0     | 0.3   | 2.70           | -     | 2.70  | Monatomic | -             | 1000um   |
| [09] | 2000 | Low  | 120             | 10   | 3    | 0         | 1700      | 900   | 0.00   | 1250  | 0.0     | 0.0     | 0.3   | 1.30           | -     | 1.30  | Monatomic | -             | 350um    |
| [10] |      | Med  |                 |      |      | 0         | 1750      | 1400  | 0.00   | 1150  | 0.0     | 0.0     | 0.3   | 2.00           | -     | 2.00  | Monatomic | -             | 500um    |
| [11] |      | High |                 |      |      | 0         | 1800      | 2100  | 0.00   | 1000  | 0.0     | 0.0     | 0.3   | 3.30           | -     | 3.30  | Monatomic | -             | 700um    |
| [12] | 3000 | Low  | 120             | 10   | 3    | 0         | 2750      | 200   | 0.00   | 2100  | 0.0     | 0.0     | 0.3   | 1.30           | -     | 1.30  | Monatomic | -             | 250um    |
| [13] |      | Med  |                 |      |      | 0         | 2750      | 1100  | 0.00   | 1930  | 0.0     | 0.0     | 0.3   | 2.00           | -     | 2.00  | Monatomic | -             | 350um    |
| [14] |      | High |                 |      |      | 0         | 2750      | 2200  | 0.00   | 1540  | 0.0     | 0.0     | 0.5   | 3.70           | -     | 3.70  | Monatomic | YES           | 500um    |
| [15] | 4000 | Low  | 120             | 10   | 3    | 0         | 2750      | 200   | 0.00   | 2100  | 0.0     | 0.0     | 0.3   | 1.00           | -     | 1.00  | Monatomic | -             | 250um    |
| [16] |      | Med  |                 |      |      | 0         | 2750      | 1100  | 0.00   | 1930  | 0.0     | 0.0     | 0.3   | 2.00           | -     | 2.00  | Monatomic | -             | 350um    |
| [17] |      | High |                 |      |      | 0         | 2750      | 2200  | 0.00   | 1540  | 0.0     | 0.0     | 0.3   | 3.00           | -     | 3.00  | Monatomic | -             | 500um    |

EX06