

Primary Filters

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Secondary Targets

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| Atomic # | Atomic Wt | Symbol | Name | K line (overlap) | L line (overlap) | M line (overlap) |
|----------|------------|--------|---------------|------------------|------------------|------------------|
| 1 | 1.008 | H | Hydrogen | | | |
| 3 | 6.939 | Li | Lithium | 0.082 | | |
| 4 | 9.012 | Be | Beryllium | 0.110 | | |
| 11 | 22.99 | Na | Sodium | 1.041 (Zn) | | |
| 12 | 24.31 | Mg | Magnesium | 1.354 (As, Tb) | | |
| 19 | 39.10 | K | Potassium | 3.313 (In) | | |
| 20 | 40.08 | Ca | Calcium | 3.691 | 0.341 | |
| 21 | 44.96 | Sc | Scandium | 4.090 | 0.395 (N) | |
| 22 | 47.90 | Ti | Titanium | 4.510 (Ga, Cr) | 0.452 (N) | |
| 23 | 50.94 | V | Vanadium | 5.414 (Mn, Pb) | 0.510 (O) | |
| 24 | 52.00 | Cr | Chromium | 6.003 (Mn) | 0.704 (F) | |
| 25 | 54.94 | Mn | Manganese | 6.493 (Fe) | 0.775 | |
| 26 | 55.85 | Fe | Iron | 6.803 (Fe) | 0.775 | |
| 27 | 58.93 | Co | Cobalt | 7.477 | 0.848 (Ni, La) | |
| 28 | 58.71 | Ni | Nickel | 7.477 | 0.848 (Ni, La) | |
| 29 | 63.54 | Cu | Copper | 8.638 (Ag) | 0.928 (P) | |
| 30 | 65.37 | Zn | Zinc | 8.638 (Ag) | 1.039 (Ni, Nd) | |
| 31 | 69.72 | Ga | Gallium | 9.351 | 1.096 (Ga) | |
| 32 | 72.59 | Ge | Germanium | 9.885 | 1.186 (Ge) | |
| 33 | 74.92 | As | Arsenic | 10.543 (Pb) | 1.242 (As, Dy) | |
| 34 | 78.96 | Se | Selenium | 11.221 | 1.379 (Se) | |
| 35 | 79.904 | Br | Bromine | 11.993 | 1.480 (As) | |
| 36 | 83.80 | Kr | Krypton | 12.646 (As) | 1.587 (Kr) | |
| 37 | 85.47 | Rb | Rubidium | 13.894 | 1.694 (Sr, In) | |
| 38 | 87.62 | Sr | Strontium | 14.164 | 1.806 (W) | |
| 39 | 88.91 | Y | Yttrium | 14.957 (Ce) | 1.922 (Os) | |
| 40 | 91.224 | Zr | Zirconium | 15.774 | 2.042 (P, Pt) | |
| 41 | 92.91 | Nb | Niobium | 16.64 | 2.169 (Ag) | |
| 42 | 95.94 | Mo | Molybdenum | 17.478 | 2.293 (S, Pb) | |
| 43 | 95.94 (99) | Tc | Technetium | 18.410 | 2.424 (Bi) | |
| 44 | 101.1 | Ru | Ruthenium | 19.278 | 2.558 | |
| 45 | 101.1 | Rh | Rhodium | 20.214 | 2.696 | |
| 46 | 106.4 | Pd | Palladium | 21.175 | 2.835 | |
| 47 | 107.9 | Ag | Silver | 22.162 | 2.984 (Au, Th) | |
| 48 | 112.4 | Cd | Cadmium | 23.172 | 3.133 | |
| 49 | 114.8 | In | Indium | 24.207 | 3.287 (N) | |
| 50 | 118.7 | Sn | Tin | 25.270 | 3.444 | |
| 51 | 121.8 | Sb | Antimony | 26.357 | 3.605 | |
| 52 | 127.6 | Te | Tellurium | 27.471 | 3.769 | |
| 53 | 126.90 | I | Iodine | 28.610 | 3.937 | |
| 54 | 131.29 | Xe | Xenon | 29.802 | 4.111 (Ba) | |
| 55 | 132.9 | Cs | Cesium | 30.970 | 4.286 | |
| 56 | 137.3 | Ba | Barium | 32.191 | 4.467 (Ti) | |
| 57 | 138.9 | La | Lanthanum | 33.440 | 4.651 | |
| 58 | 140.12 | Ce | Cerium | 34.717 | 4.840 | |
| 59 | 140.9 | Pr | Praseodymium | 36.023 | 5.034 | |
| 60 | 144.2 | Nd | Neodymium | 37.359 | 5.230 | |
| 61 | 147 | Pm | Promethium | 38.649 | 5.431 (Cr) | |
| 62 | 150.4 | Sm | Samarium | 40.124 | 5.636 | |
| 63 | 152.0 | Eu | Europium | 41.529 | 5.846 | |
| 64 | 157.3 | Gd | Gadolinium | 42.983 | 6.059 | |
| 65 | 158.9 | Tb | Terbium | 44.470 | 6.275 | |
| 66 | 162.5 | Dy | Dysprosium | 45.985 | 6.495 | |
| 67 | 164.9 | Ho | Holmium | 47.528 | 6.720 | |
| 68 | 167.3 | Er | Erbium | 49.099 | 6.948 (Co) | |
| 69 | 168.9 | Tm | Thulium | 50.730 | 7.185 (Se) | |
| 70 | 173.0 | Lu | Lutetium | 52.360 | 7.414 | |
| 71 | 175.0 | Yb | Ytterbium | 54.063 | 7.654 | |
| 72 | 177.0 | Lu | Lutetium | 55.935 | 7.903 | |
| 73 | 178.5 | Hf | Hafnium | 57.57 | 8.145 | |
| 74 | 180.9 | Ta | Tantalum | 59.310 | 8.396 | |
| 75 | 186.2 | Re | Rhenium | 61.131 | 8.651 (Zn) | |
| 76 | 187.0 | Os | Osmium | 62.991 | 8.910 | |
| 77 | 190.2 | Ir | Iridium | 64.886 | 9.173 | |
| 78 | 195.1 | Pt | Platinum | 66.820 | 9.441 | |
| 79 | 197.0 | Au | Gold | 68.794 | 9.711 | |
| 80 | 200.6 | Hg | Mercury | 70.821 | 10.000 | |
| 81 | 204.38 | Tl | Thallium | 72.860 | 10.286 | |
| 82 | 207.2 | Pb | Lead | 74.957 | 10.580 (As) | |
| 83 | 208.98 | Bi | Bismuth | 77.097 | 10.885 | |
| 84 | 209.0 | Po | Polonium | 79.296 | 11.128 | |
| 85 | 210 | At | Astatine | 81.525 | 11.424 | |
| 86 | 222 | Rn | Radon | 83.800 | 11.724 | |
| 87 | 223 | Fr | Francium | 86.119 | 12.029 | |
| 88 | 226 | Ra | Radium | 88.485 | 12.338 | |
| 89 | 227 | Ac | Actinium | 90.894 | 12.650 (Kr) | |
| 90 | 232.04 | Th | Thorium | 91.334 | 13.291 | |
| 91 | 232.04 | Pa | Protactinium | 95.851 | 13.945 | |
| 92 | 238.0 | U | Uranium | 98.428 | 14.279 | |
| 93 | 238.0 | Np | Neptunium | 101.005 | 13.945 | |
| 94 | 237 | Pu | Plutonium | 103.653 | 14.279 | |
| 95 | 243 | Am | Americium | 106.351 | 14.618 | |
| 96 | 243 | Cm | Curium | 109.098 | 14.961 (Y) | |
| 97 | 247 | Bk | Berkelium | 111.896 | 15.309 | |
| 98 | 247 | Cf | Californium | 114.745 | 15.661 | |
| 99 | 251 | Es | Einsteinium | 117.646 | 16.018 | |
| 100 | 252 | Fm | Fermium | 120.598 | 16.379 | |
| 101 | 257 | Md | Mendelevium | 125.904 | 16.749 | |
| 102 | 258 | No | Nobelium | 127.603 | 17.124 | |
| 103 | 259 | Lr | Lawrencium | 128.901 | 17.509 | |
| 104 | 261 | Rf | Rutherfordium | 131.072 | 17.904 | |
| 105 | 262 | Db | Dubnium | 132.905 | 18.309 | |
| 106 | 263 | Sg | Seaborgium | 134.907 | 18.724 | |
| 107 | 263 | Bh | Berkelium | 136.905 | 19.149 | |
| 108 | 265 | Hs | Hassium | 138.904 | 19.574 | |
| 109 | 265 | Mt | Moscovium | 140.908 | 19.999 | |
| 110 | 266 | Ds | Darmstadtium | 142.909 | 20.424 | |
| 111 | 267 | Rg | Rutherfordium | 144.910 | 20.849 | |
| 112 | 268 | Cn | Copernicium | 146.911 | 21.274 | |
| 113 | 268 | Nh | Nihonium | 148.912 | 21.699 | |
| 114 | 269 | Fl | Flerovium | 150.913 | 22.124 | |
| 115 | 269 | Mc | Moscovium | 152.914 | 22.549 | |
| 116 | 270 | Lv | Livermorium | 154.915 | 22.974 | |
| 117 | 270 | Ts | Tennessine | 156.916 | 23.399 | |
| 118 | 270 | Og | Oganesson | 158.917 | 23.824 | |

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Genius IF

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