

## **<sup>248</sup>Md**

Eskola discovered <sup>248</sup>Md in the 1973 paper “Studies of mendelevium isotopes with mass numbers 248 through 252” ([1973Es01](#)). <sup>12</sup>C and <sup>13</sup>C beams with a maximum energy of 10.4 MeV/u from the Berkeley heavy-ion linear accelerator bombarded <sup>241</sup>Am and <sup>243</sup>Am targets. Recoil products were transported with a rapid flowing helium gas onto a wheel which periodically rotated in front of a series of Si-Au surface barrier detectors. “In bombardments of the <sup>241</sup>Am target with <sup>12</sup>C ions two new  $\alpha$  activities were observed: a 8.32-MeV, 7-sec activity assigned to <sup>248</sup>Md, and a 8.03-MeV, 24-sec activity which was also observed in bombardments of <sup>243</sup>Am with <sup>12</sup>C ions and which was assigned to <sup>249</sup>Md.”

Adapted from reference ([2013Th02](#))

[1973Es01](#) P. Eskola, Phys. Rev. C **7**, 280 (1973).

[2013Th02](#) M. Thoennessen, At. Data Nucl. Data Tables **99**, 312 (2013).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”