

Table S1. Comparison of copper-61 activity produced and purified, corrected at EOB and EOP, respectively, when using non-recycled, once recycled, twice recycled, and three times recycled zinc-64 solution (mean \pm SD, N=8). Isotopic enrichment of the irradiated zinc-64 recycled solution determined by ICP-MS analysis.

	Activity Produced at EOB (GBq)	Activity Purified at EOP (GBq)	Zinc-64 Isotopic Enrichment (%)
1 st Irradiation	3.65 \pm 0.18	2.34 \pm 0.16	99.90 \pm 0.01
2 nd Irradiation	3.43 \pm 0.26	2.22 \pm 0.19	99.89 \pm 0.01
3 rd Irradiation	3.09 \pm 0.34	2.09 \pm 0.22	99.88 \pm 0.01
4 th Irradiation	2.94 \pm 0.41	2.00 \pm 0.39	99.81 \pm 0.12

EOB: End of Beam

EOP: End of Purification