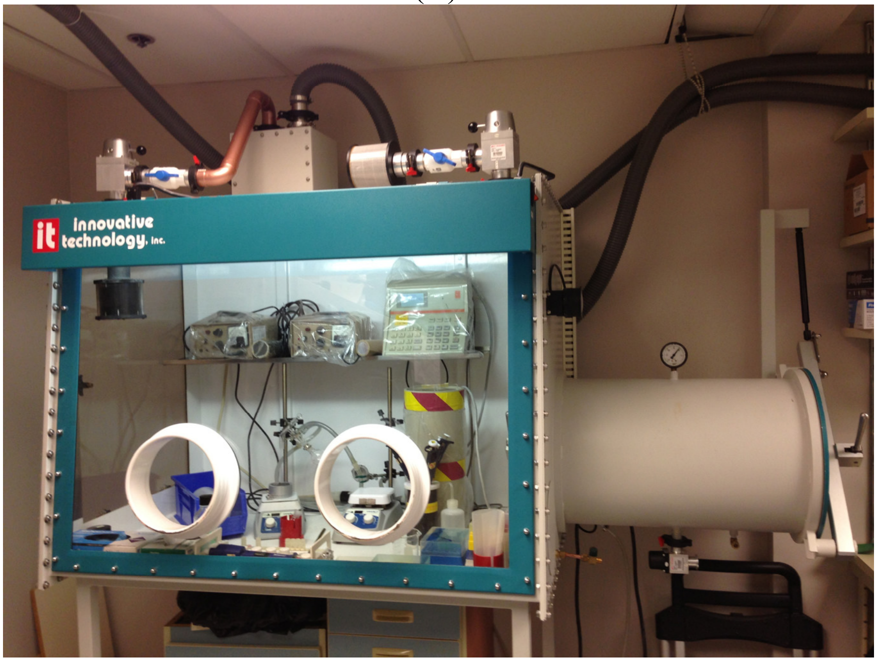
Supplementary Information

Figure S1. Pictures showing glovebox used (panel **A**) and view of materials in glovebox ready for a run (panel **B**); Note that gloves used in procedure are not included for clarity of picture.

(**A**)



(**B**)

List S2. List of abbreviated steps, reagents, glassware, and equipment used in the glovebox for the At-211 isolation process.

Inside Glove Box Prior to Start of Run:

1. Capintec Dose Calibrator
2. Ludlum Alpha Probe
3. Ludlum Gamma Probe
4. Water jacketed short-path distillation head
5. (2) stirring hot plates with ring-stand support rods and clamps
6. (2) 50 mL round bottom flasks aluminum heating block
7. (2) small magnetic stir bars
8. Red plastic support stand for 50 mL round bottom flasks
9. Glassware clamps for connecting round bottom flasks to the distillation head
10. (1) box of Disposable gloves (to go over glovebox gloves)
11. Pipetters (10 uL, 250 uL, 1 mL, 5 mL)
12. Pipette Tips (1–10 uL, 20–250 uL, 0.1–1 mL, 1–5 mL)
13. Kimwipes and paper towels
14. (1) pair long handled tongs
15. (1) pair 4" forceps
16. (2) gallon size zipper bags for trash
17. Squeeze bottle of DI-H_2O
18. Powdered Sodium Bicarbonate
19. 20mL Concentrated HNO_3
20. (5) empty 20 mL glass scintillation vials
21. Empty Nalgene bottle for dissolution
22. Blue plastic bin for dissolution vessel secondary containment
23. Full and narrow range pH testing paper
24. 5 mL BD brand disposable bulb pipetters
25. 2 mL each 0.1M,0.5M,1M,4M solutions of HCl and NaOH for pH adjustment

Materials Prepped Outside Glovebox:

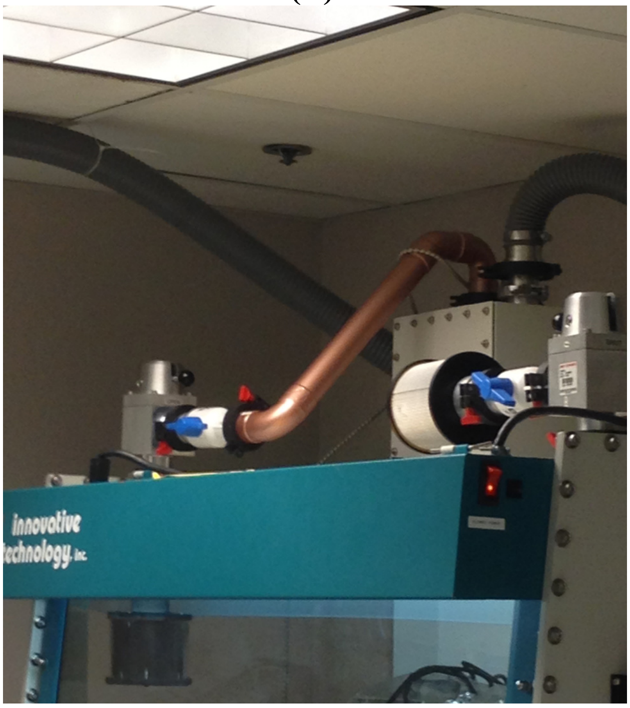
26. Trace Pure 8M HCl (Diluted freshly from concentrated HCl)
27. 20 mL of 8M HCl Equilibrated with Distilled DIPE
28. 10 mL of Distilled DIPE mixed with 8M HCl

Steps to perform a run:

1. Items 1–25 are in the glovebox prior to retrieving the target
2. Retrieve target from Cyclotron and count in dose calibrator
3. Bring target into glovebox and count in dose calibrator
4. Commence target dissolution
5. Prepare items 26–28 during target dissolution
6. Bring freshly prepared items 26–28 into glovebox and use as required following target dissolution
7. Isolated At-211 is brought out of the glove box in a clean lead pig place inside a plastic zipper bag
8. If a reductive distillation will be performed then those materials are prepared and brought into the glovebox immediately before that procedure will take place along with a fresh distillation head, (1) 25 mL & (3) 10 mL round bottom flasks with caps, and a crystalizing dish full of ice.

Figure S3. Pictures showing glovebox charcoal filter and vent tubing inserted into a charcoal-filtered Plexiglas container within a fume hood. (**A**) Picture of top of glovebox showing fan system and tube that goes to fume hood (see below). Note the black circular charcoal filter inside of glove box on upper left. (**B**) Picture of exhaust tube from glove box going into charcoal-filtered Plexiglas enclosure within fume hood.

(A)



(B)

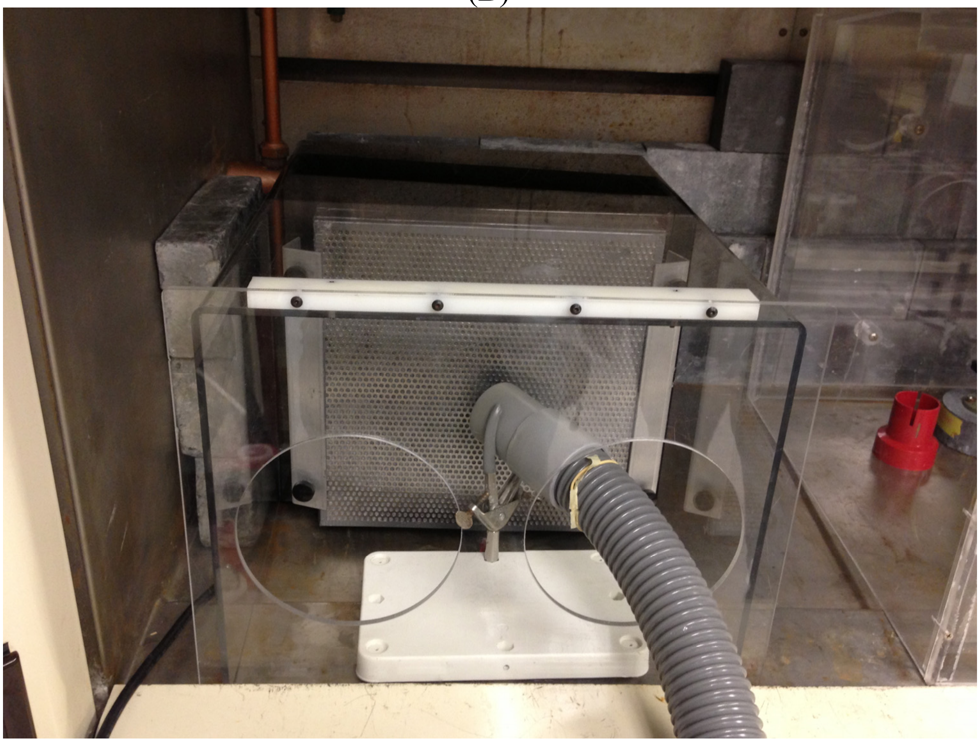


Figure S4. Pictures of targets (bismuth face down) in modified 1L polypropylene containers within the glovebox. Note that the picture on the right has HNO_3 in the container and NOx fumes are observed. (The blue tray is used to keep the container from rolling).

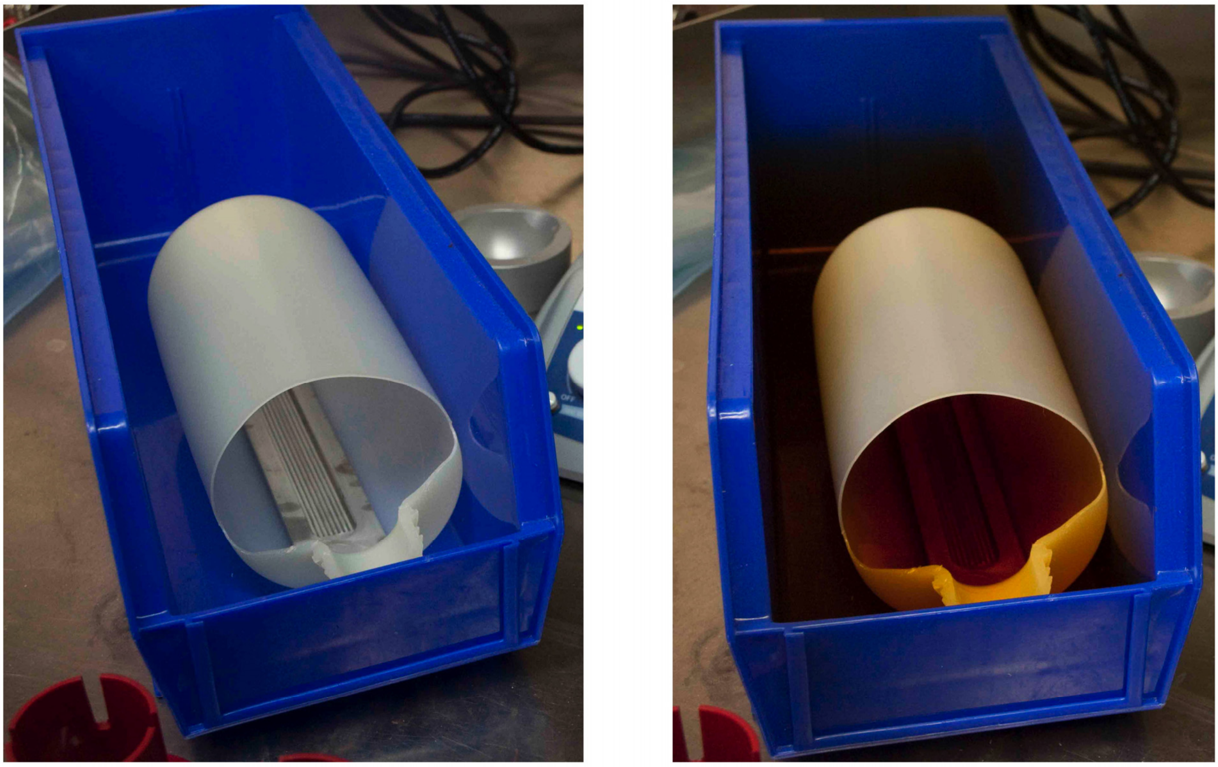


Figure S5. Picture and schematic of an experimental setup that could be used to scrub the acid and NOx fumes before venting into the glovebox (not used in our studies). (**A**) Picture of experimental setup where the dissolution bottle is enclosed and air (or N2) is sent through the apparatus to move the NOx fumes into an acid scrubber. For description of how the lines flow see schematic below. (**B**) Schematic of acid scrubbing system that designed to be used in the initial dissolution step and in the HNO_3 distillation step.

(**A**)

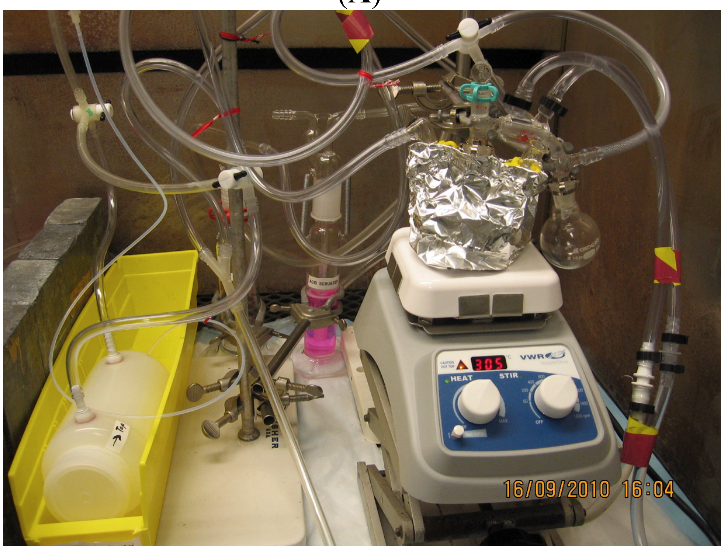


Figure S5. *Cont.*

(B)

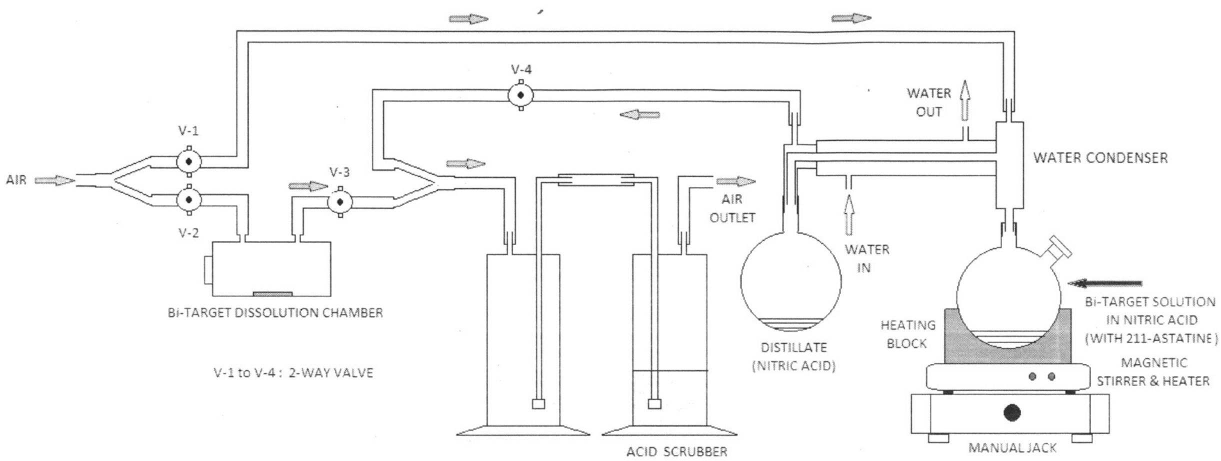
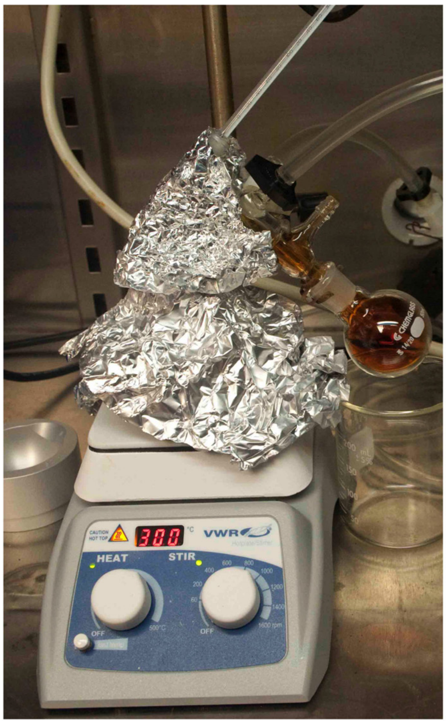


Figure S6. Pictures of glassware used to remove HNO_3 by distillation and leave a colorless residue containing bismuth and At-211. (**A**) Aluminum covered glassware; (**B)** Glassware after heat is removed. (**C**) White residue being dissolved in 8 M HCl.

(A)



(**B**)

Figure S6. *Cont.*

(C)

Explanation of At-211 Isolation Tables S7, S8, S10 and S11

The tables designated as **S7** and **S8** are provided to show the data for individual At-211 isolation runs conducted using wet chemistry.

The ^{211}At in Target values are mCi amounts obtained by measurement of target in dose calibrator. The At-211 after decay values are the mCi remaining of the measured target amounts after decay correction for the time between the initial reading and isolation of At-211. The Isolated At-211 values are the mCi amounts of isolated At-211 solution measured in a dose calibrator. The % Recovery (actual) values are % yields for At-211 recovery if decay is not considered. The % Recovery (decay corrected) values are yields for At-211 recovery if decay is factored in.

The tables designated as **S10** and **S11** are provided to show data for individual At-211 runs when bismuth attenuation is factored in to better estimate the amount of At-211 in the irradiated target. Because only an estimate of the bismuth attenuation factor (~1.33) has been obtained, the values shown must be considered approximate.

The At-211 Attenuation Corrected values are mCi amounts obtained by dividing the measured At-211 in the target by 0.75. The At-211 after decay are mCi amounts obtained by decay correction of the attenuation corrected At-211 values. The Isolated At-211 values are the mCi amounts of isolated At-211 measured in a dose calibrator. The Corrected % Recovery values are the estimated values for ^{211}At recovery when decay and bismuth attenuation are factored in.

Table S7. Spreadsheet showing data for initial wet chemistry At-211 isolation runs (without bismuth attenuation correction).

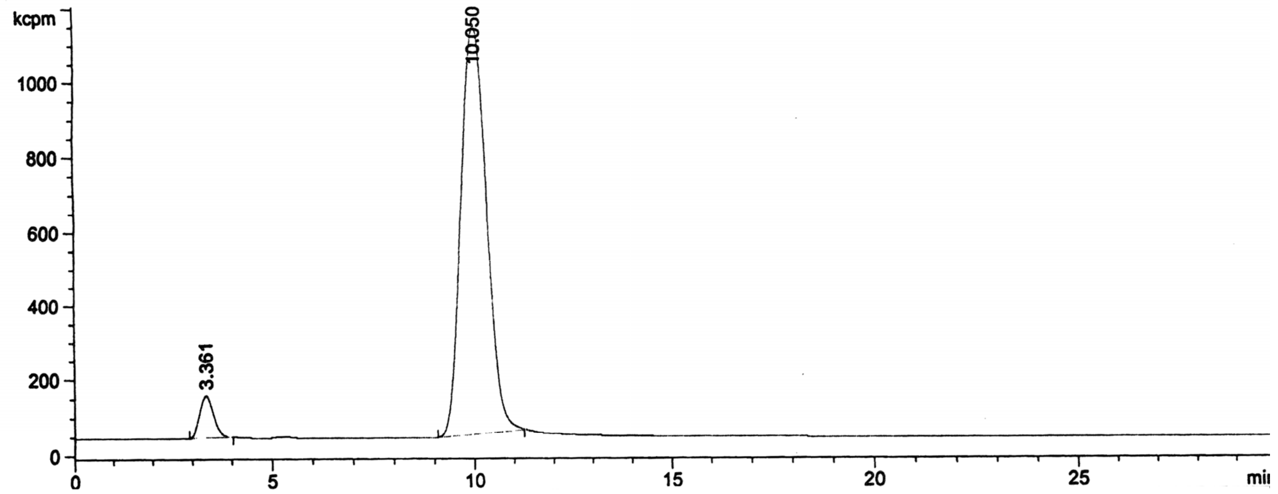
Run #	At-211 in Target mCi	Isolation Time in minutes	Fraction of Half-life	Decay Factor	At-211 after decay	Isolated At-211 mCi	% Recovery (actual)	% Recovery Decay Corrected
1	19.8	116	0.268	0.831	16.4	16.4	82.8	99.7
2	21.4	135	0.312	0.806	17.2	12.5	58.4	72.5
2	16.6	161	0.372	0.773	12.8	12.7	76.5	99.0
4	20.9	133	0.307	0.808	16.9	15.2	72.7	90.0
5	20.6	101	0.233	0.851	17.5	14.5	70.4	82.7
6	21.2	104	0.240	0.847	17.9	14.0	66.0	78.0
7	20.4	117	0.270	0.829	16.9	16.1	78.9	95.2
8	21.3	139	0.321	0.801	17.1	16.5	77.5	96.8
9	22.3	124	0.286	0.820	18.3	16.9	75.8	92.5
10	20.4	123	0.284	0.821	16.8	16.0	78.4	95.5
11	21.8	130	0.300	0.812	17.7	15.8	72.5	89.2
12	23.2	166	0.383	0.767	17.8	16.3	70.3	91.6
13	20.9	153	0.353	0.783	16.4	16.5	78.9	100.9
14	22.4	171	0.395	0.761	17.0	14.8	66.1	86.9
15	23.6	165	0.381	0.768	18.1	16.6	70.3	91.6
16	21.1	160	0.370	0.774	16.3	15.9	75.3	97.2
17	16.9	153	0.353	0.783	13.2	14.2	84.0	107.3
18	20.9	137	0.316	0.803	16.8	16.5	78.9	98.2
19	20.8	169	0.390	0.763	15.9	14.4	69.2	90.7
20	21.7	177	0.409	0.753	16.3	12.2	56.2	74.6
21	20.6	193	0.446	0.734	15.1	11.8	57.0	77.7
22	21	191	0.441	0.737	15.5	9.0	42.9	58.2
23	19.9	207	0.478	0.718	14.3	13.8	69.3	96.6
24	23	179	0.413	0.751	17.3	10.4	45.2	60.2
25	20.3	234	0.540	0.688	14.0	11.5	56.7	82.4
26	20.1	167	0.386	0.765	15.4	13.6	67.5	88.2
27	23	246	0.568	0.675	15.5	14.1	61.4	91.0
28	25.6	155	0.358	0.780	20.0	14.3	55.9	71.7
29	21	173	0.400	0.758	15.9	13.8	65.7	86.7
30	20.2	226	0.522	0.696	14.1	9.9	48.9	70.2
31	22.9	137	0.316	0.803	18.4	15.8	68.8	85.7
32	20.3	155	0.358	0.780	15.8	11.4	56.1	71.9
33	22.5	148	0.342	0.789	17.8	13.0	57.9	73.4
34	20.2	159	0.367	0.775	15.7	12.9	64.1	82.6
35	21.2	143	0.330	0.795	16.9	13.2	62.2	78.2
36	20.5	153	0.353	0.783	16.0	10.5	51.0	65.2
37	21.6	149	0.344	0.788	17.0	15.5	71.8	91.1
38	20.7	255	0.589	0.665	13.8	8.6	41.4	62.3
39	19.5	208	0.480	0.717	14.0	13.0	66.7	93.0
40	22.2	201	0.464	0.725	16.1	13.1	59.0	81.4
41	19.9	152	0.351	0.784	15.6	16.0	80.4	102.5
42	21.2	166	0.383	0.767	16.3	12.8	60.4	78.8
43	19.8	150	0.346	0.787	15.6	8.2	41.4	52.7
44	17.4	150	0.346	0.787	13.7	13.3	76.4	97.2
45	19.8	173	0.400	0.758	15.0	16.3	82.3	108.6
46	18.6	153	0.353	0.783	14.6	17.8	95.7	122.3
47	20.3	262	0.605	0.657	13.3	13.1	64.5	98.1
48	20.1	288	0.665	0.631	12.7	14.3	71.1	112.7
49	19.7	166	0.383	0.767	15.1	10.2	51.6	67.3
50	16.7	305	0.704	0.614	10.2	11.1	66.5	108.3
51	17.1	142	0.328	0.797	17.5	11.1	64.9	63.5
52	21	269	0.621	0.650	13.7	11.3	53.7	82.6
53	19.6	185	0.427	0.744	14.6	13.8	70.4	94.7
Avg Value	20.7	171		Avg Value	15.8	13.6	66.2	86.5
Std Dev	1.7	46		Std Dev	1.8	2.3	11.7	14.8

Table S8. Spreadsheet showing the data for recent "optimized" wet chemistry At-211 isolation runs (without bismuth attenuation correction).

Run #	At-211 in Target mCi	Isolation Time in minutes	Fraction of Half-life	Decay Factor	At-211 after decay	Isolated At-211 mCi	% Recovery (actual)	% Recovery Decay Corrected
1	19.1	235	0.543	0.687	13.1	15.1	78.8	114.8
2	19.2	240	0.554	0.681	13.1	14.7	76.6	112.5
3	21	190	0.439	0.738	15.5	17.3	82.5	111.9
4	19.9	253	0.584	0.667	13.3	13.7	69.0	103.4
5	17.7	335	0.774	0.585	10.4	13.5	76.0	130.0
6	17.5	149	0.344	0.788	13.8	15.0	85.7	108.8
7	17.5	207	0.478	0.718	12.6	7.4	42.3	58.9
8	18.4	150	0.346	0.787	14.5	17.8	96.7	123.0
9	18.8	149	0.344	0.788	14.8	16.0	85.1	108.0
10	20	262	0.605	0.657	13.1	13.2	66.0	100.4
11	19.7	163	0.376	0.770	15.2	14.9	75.6	98.2
12	19.18	209	0.483	0.716	13.7	15.3	79.5	111.1
13	20.7	176	0.406	0.755	15.6	15.5	74.9	99.2
14	19	253	0.584	0.667	12.7	16.0	84.2	126.2
15	21.3	255	0.589	0.665	14.2	17.9	84.0	126.4
16	20.2	245	0.566	0.676	13.6	14.3	70.8	104.8
17	18.7	139	0.321	0.801	15.0	15.6	83.4	104.2
18	20.3	155	0.358	0.780	15.8	16.1	79.3	101.6
19	18.8	149	0.344	0.788	14.8	13.8	73.4	93.2
20	18.2	119	0.275	0.827	15.0	16.4	90.1	109.0
21	20	136	0.314	0.804	16.1	16.3	81.3	101.0
22	19.3	124	0.286	0.820	15.8	15.9	82.2	100.2
23	18.5	130	0.300	0.812	15.0	15.8	85.1	104.8
24	23.2	172	0.397	0.759	17.6	13.6	58.6	77.2
25	20	119	0.275	0.827	16.5	18.7	93.5	113.1
26	20.2	116	0.268	0.831	16.8	18.9	93.6	112.7
27	19.9	118	0.273	0.828	16.5	18.8	94.5	114.1
28	21.6	122	0.282	0.823	17.8	14.4	66.7	81.0
29	20	126	0.291	0.817	16.3	17.8	89.0	108.9
30	17.6	115	0.266	0.832	14.6	15.1	85.8	103.1
31	19	121	0.279	0.824	15.7	17.4	91.6	111.1
32	19.03	119	0.275	0.827	15.7	18.0	94.8	114.7
33	21	126	0.291	0.817	17.2	19.3	91.9	112.4
34	26	123	0.284	0.821	21.4	26.5	101.9	124.1
35	12.39	119	0.275	0.827	10.2	14.0	112.6	136.2
36	18	132	0.305	0.810	14.6	15.6	86.8	107.2
37	18.1	132	0.305	0.810	14.7	17.3	95.6	118.1
38	17.7	124	0.286	0.820	14.5	9.6	54.0	65.9
39	18.9	110	0.254	0.839	15.8	17.4	91.9	109.5
40	20.4	127	0.293	0.816	16.6	19.3	94.7	116.1
41	23.3	143	0.330	0.795	18.5	17.8	76.6	96.3
42	19.1	129	0.298	0.813	15.5	15.4	80.8	99.4
43	20.1	118	0.273	0.828	16.6	12.3	60.9	73.6
44	19.8	125	0.289	0.819	16.2	18.2	91.9	112.3
45	18.6	131	0.303	0.811	15.1	15.8	84.9	104.8
46	18.9	148	0.342	0.789	14.9	14.9	78.9	100.0
47	21.69	137	0.316	0.803	17.4	16.9	78.0	97.1
48	24.3	123	0.284	0.821	20.0	17.9	73.5	89.4
49	20.2	142	0.328	0.797	16.1	14.0	69.2	86.9
50	15.8	116	0.268	0.831	13.1	14.3	90.3	108.7
51	20.2	125	0.289	0.819	16.5	14.5	71.9	87.8
52	21	124	0.286	0.820	17.2	14.7	70.0	85.3
53	20.1	152	0.351	0.784	15.8	16.7	83.2	106.1
54	19.9	125	0.289	0.819	16.3	17.7	89.0	108.7
55	18.6	159	0.367	0.775	14.4	15.7	84.5	108.9
Avg Value	19.6	155			15.3	15.9	81.5	104.4
Std Dev	2.0	50			2.0	2.7	12.3	14.9

Figure S9. RadioHPLC chromatograms of ^{211}At solutions prior to (panel A) and after (panel B) a final purification step. The following radiochromatograms are provided to show that in some distillations of [^{211}At]At only one species is observed. (**A)** Isolated ^{211}At solution run on Dionex AS-20 column prior to the distillation step; (**B**) Isolated ^{211}At solution run on Dionex AS-20 column after conducting the distillation step. Note that the retention times for [^{211}At]At are different than those in Figure 3 in the manuscript as the conc. of NaOH was slightly different.

(A)



(B)

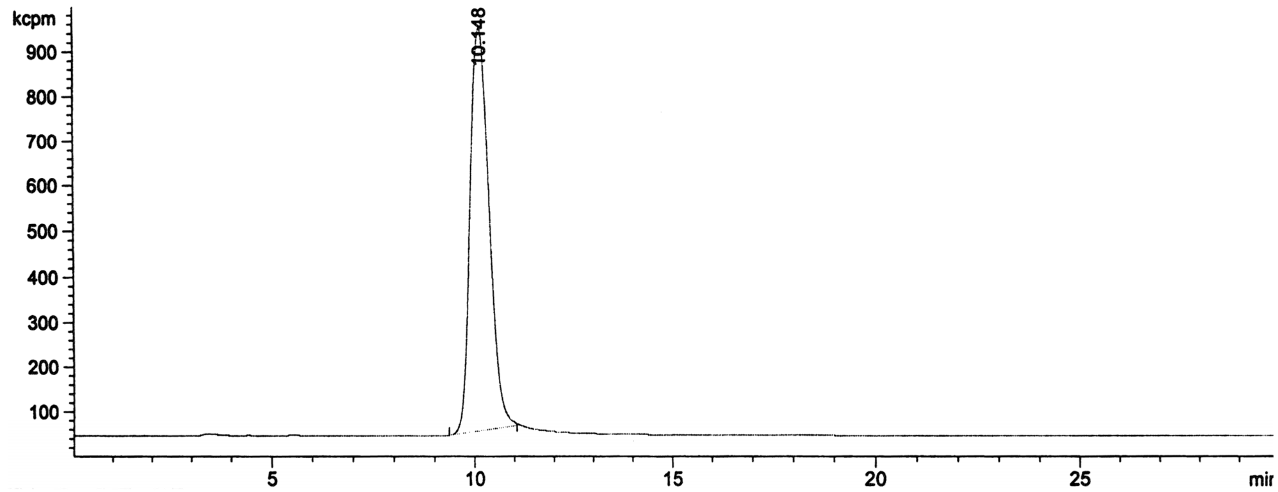


Table S10. Spreadsheet showing data for initial wet chemistry At-211 isolation runs after decay and bismuth attenuation corrections *.

Run #	At-211 in Target mCi	At-211 Attenuat. Corr. (mCi)	Isolation Time in minutes	Fraction of Half-life	Decay Factor	At-211 after decay	Isolated At-211 mCi	Corr. % Recovery (attenuat. & decay)
1	19.8	26.4	116	0.268	0.831	21.9	16.4	74.8
2	21.4	28.5	135	0.312	0.806	23.0	12.5	54.4
2	16.6	22.1	161	0.372	0.773	17.1	12.7	74.2
4	20.9	27.9	133	0.307	0.808	22.5	15.2	67.5
5	20.6	27.5	101	0.233	0.851	23.4	14.5	62.1
6	21.2	28.3	104	0.240	0.847	23.9	14.0	58.5
7	20.4	27.2	117	0.270	0.829	22.6	16.1	71.4
8	21.3	28.4	139	0.321	0.801	22.7	16.5	72.6
9	22.3	29.7	124	0.286	0.820	24.4	16.9	69.4
10	20.4	27.2	123	0.284	0.821	22.3	16.0	71.6
11	21.8	29.1	130	0.300	0.812	23.6	15.8	66.9
12	23.2	30.9	166	0.383	0.767	23.7	16.3	68.7
13	20.9	27.9	153	0.353	0.783	21.8	16.5	75.6
14	22.4	29.9	171	0.395	0.761	22.7	14.8	65.2
15	23.6	31.5	165	0.381	0.768	24.2	16.6	68.7
16	21.1	28.1	160	0.370	0.774	21.8	15.9	72.9
17	16.9	22.5	153	0.353	0.783	17.6	14.2	80.5
18	20.9	27.9	137	0.316	0.803	22.4	16.5	73.6
19	20.8	27.7	169	0.390	0.763	21.2	14.4	68.0
20	21.7	28.9	177	0.409	0.753	21.8	12.2	56.0
21	20.6	27.5	193	0.446	0.734	20.2	11.8	58.3
22	21	28.0	191	0.441	0.737	20.6	9.0	43.6
23	19.9	26.5	207	0.478	0.718	19.1	13.8	72.4
24	23	30.7	179	0.413	0.751	23.0	10.4	45.1
25	20.3	27.1	234	0.540	0.688	18.6	11.5	61.8
26	20.1	26.8	167	0.386	0.765	20.5	13.6	66.1
27	23	30.7	246	0.568	0.675	20.7	14.1	68.3
28	25.6	34.1	155	0.358	0.780	26.6	14.3	53.8
29	21	28.0	173	0.400	0.758	21.2	13.8	65.0
30	20.2	26.9	226	0.522	0.696	18.8	9.9	52.6
31	22.9	30.5	137	0.316	0.803	24.5	15.8	64.3
32	20.3	27.1	155	0.358	0.780	21.1	11.4	53.9
33	22.5	30.0	148	0.342	0.789	23.7	13.0	55.0
34	20.2	26.9	159	0.367	0.775	20.9	12.9	62.0
35	21.2	28.3	143	0.330	0.795	22.5	13.2	58.6
36	20.5	27.3	153	0.353	0.783	21.4	10.5	48.9
37	21.6	28.8	149	0.344	0.788	22.7	15.5	68.3
38	20.7	27.6	255	0.589	0.665	18.4	8.6	46.7
39	19.5	26.0	208	0.480	0.717	18.6	13.0	69.8
40	22.2	29.6	201	0.464	0.725	21.5	13.1	61.1
41	19.9	26.5	152	0.351	0.784	20.8	16.0	76.9
42	21.2	28.3	166	0.383	0.767	21.7	12.8	59.1
43	19.8	26.4	150	0.346	0.787	20.8	8.2	39.5
44	17.4	23.2	150	0.346	0.787	18.2	13.3	72.9
45	19.8	26.4	173	0.400	0.758	20.0	16.3	81.4
46	18.6	24.8	153	0.353	0.783	19.4	17.8	91.7
47	20.3	27.1	262	0.605	0.657	17.8	13.1	73.6
48	20.1	26.8	288	0.665	0.631	16.9	14.3	84.5
49	19.7	26.3	166	0.383	0.767	20.1	10.2	50.5
50	16.7	22.3	305	0.704	0.614	13.7	11.1	81.2
51	17.1	22.8	142	0.328	0.797	18.2	11.1	61.1
52	21	28.0	269	0.621	0.650	18.2	11.3	62.0
53	19.6	26.1	185	0.427	0.744	19.4	13.8	71.0
Avg Value	20.7	27.6	171		Avg Value	21.0	13.6	65.2
Std Dev	1.7	2.3	46		Std Dev	2.4	2.3	10.9

* The attenuation correction was made by dividing the At-211 target reading by 0.75. That approach gives approximately the same number as multiplying the At-211 target reading by an attenuation factor of 1.33.

Table S11. Spreadsheet showing data for recent "optimized" wet chemistry At-211 isolation runs after decay and bismuth attenuation corrections *.

Run #	At-211 in Target mCi	At-211 Attenuat. Corr. (mCi)	Isolation Time in minutes	Fraction of Half-life	Decay Factor	At-211 after decay	Isolated At-211 mCi	Corr. % Recovery (attenuat. & decay)
1	19.1	25.5	235	0.543	0.687	17.5	15.1	86.1
2	19.2	25.6	240	0.554	0.681	17.4	14.7	84.4
3	21.0	28.0	190	0.439	0.738	20.7	17.3	83.9
4	19.9	26.5	253	0.584	0.667	17.7	13.7	77.6
5	17.7	23.6	335	0.774	0.585	13.8	13.5	97.5
6	17.5	23.3	149	0.344	0.788	18.4	15.0	81.6
7	17.5	23.3	207	0.478	0.718	16.8	7.4	44.2
8	18.4	24.5	150	0.346	0.787	19.3	17.8	92.2
9	18.8	25.1	149	0.344	0.788	19.7	16.0	81.0
10	20.0	26.7	262	0.605	0.657	17.5	13.2	75.3
11	19.7	26.3	163	0.376	0.770	20.2	14.9	73.6
12	19.2	25.6	209	0.483	0.716	18.3	15.3	83.3
13	20.7	27.6	176	0.406	0.755	20.8	15.5	74.4
14	19.0	25.3	253	0.584	0.667	16.9	16.0	94.7
15	21.3	28.4	255	0.589	0.665	18.9	17.9	94.8
16	20.2	26.9	245	0.566	0.676	18.2	14.3	78.6
17	18.7	24.9	139	0.321	0.801	20.0	15.6	78.2
18	20.3	27.1	155	0.358	0.780	21.1	16.1	76.2
19	18.8	25.1	149	0.344	0.788	19.7	13.8	69.9
20	18.2	24.3	119	0.275	0.827	20.1	16.4	81.8
21	20.0	26.7	136	0.314	0.804	21.5	16.3	75.8
22	19.3	25.7	124	0.286	0.820	21.1	15.9	75.2
23	18.5	24.7	130	0.300	0.812	20.0	15.8	78.6
24	23.2	30.9	172	0.397	0.759	23.5	13.6	57.9
25	20.0	26.7	119	0.275	0.827	22.0	18.7	84.8
26	20.2	26.9	116	0.268	0.831	22.4	18.9	84.5
27	19.9	26.5	118	0.273	0.828	22.0	18.8	85.6
28	21.6	28.8	122	0.282	0.823	23.7	14.4	60.8
29	20.0	26.7	126	0.291	0.817	21.8	17.8	81.7
30	17.6	23.5	115	0.266	0.832	19.5	15.1	77.3
31	19.0	25.3	121	0.279	0.824	20.9	17.4	83.4
32	19.0	25.4	119	0.275	0.827	21.0	18.0	86.0
33	21.0	28.0	126	0.291	0.817	22.9	19.3	84.3
34	26.0	34.7	123	0.284	0.821	28.5	26.5	93.1
35	12.4	16.5	119	0.275	0.827	13.7	14.0	102.2
36	18.0	24.0	132	0.305	0.810	19.4	15.6	80.4
37	18.1	24.1	132	0.305	0.810	19.5	17.3	88.5
38	17.7	23.6	124	0.286	0.820	19.4	9.6	49.4
39	18.9	25.2	110	0.254	0.839	21.1	17.4	82.1
40	20.4	27.2	127	0.293	0.816	22.2	19.3	87.0
41	23.3	31.1	143	0.330	0.795	24.7	17.8	72.2
42	19.1	25.5	129	0.298	0.813	20.7	15.4	74.5
43	20.1	26.8	118	0.273	0.828	22.2	12.3	55.2
44	19.8	26.4	125	0.289	0.819	21.6	18.2	84.2
45	18.6	24.8	131	0.303	0.811	20.1	15.8	78.6
46	18.9	25.2	148	0.342	0.789	19.9	14.9	75.0
47	21.7	28.9	137	0.316	0.803	23.2	16.9	72.8
48	24.3	32.4	123	0.284	0.821	26.6	17.9	67.1
49	20.2	26.9	142	0.328	0.797	21.5	14.0	65.2
50	15.8	21.1	116	0.268	0.831	17.5	14.3	81.5
51	20.2	26.9	125	0.289	0.819	22.0	14.5	65.9
52	21.0	28.0	124	0.286	0.820	23.0	14.7	64.0
53	20.1	26.8	152	0.351	0.784	21.0	16.7	79.6
54	19.9	26.5	125	0.289	0.819	21.7	17.7	81.5
55	18.6	24.8	159	0.367	0.775	19.2	15.7	81.7
Avg Value	19.6	26.1	155			20.4	15.9	78.3
Std Dev	2.0	2.7	50			2.6	2.7	11.2

*The attenuation correction was made by dividing the At-211 target reading by 0.75. That approach gives approximately the same number as multiplying the At-211 target reading by an attenuation factor of 1.33.