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Supplemental Data

CFP RTLC2118 REPORT

Laboratory: Default
Time: 60 (Sec)
Date Time: 3/10/2025 11:23:36 AM
Sample ID: 14031220 11.23.06_Technetium-99_conj_1_ User
Operator: User
Repeat: 2
Resolution: 0.0425 (mm)

Chromatogram Result

ID	Type	Centroid (mm)	Rf	Integral (cnts)	Background (cnts)	NetArea (cnts)	Ratio (%)
RPH1	RadioPharmaceutical	1.54	-0.13	11,378.54	382.42	10,996.11	90.85
IMP1	Impurity	12.48	0.04	1,757.44	650.12	1,107.32	9.15
BG	Background	NaN	NaN	739.35	NaN	NaN	NaN

RadioPharmaceutical purity: 90.85%

Chromatogram 3D Plot

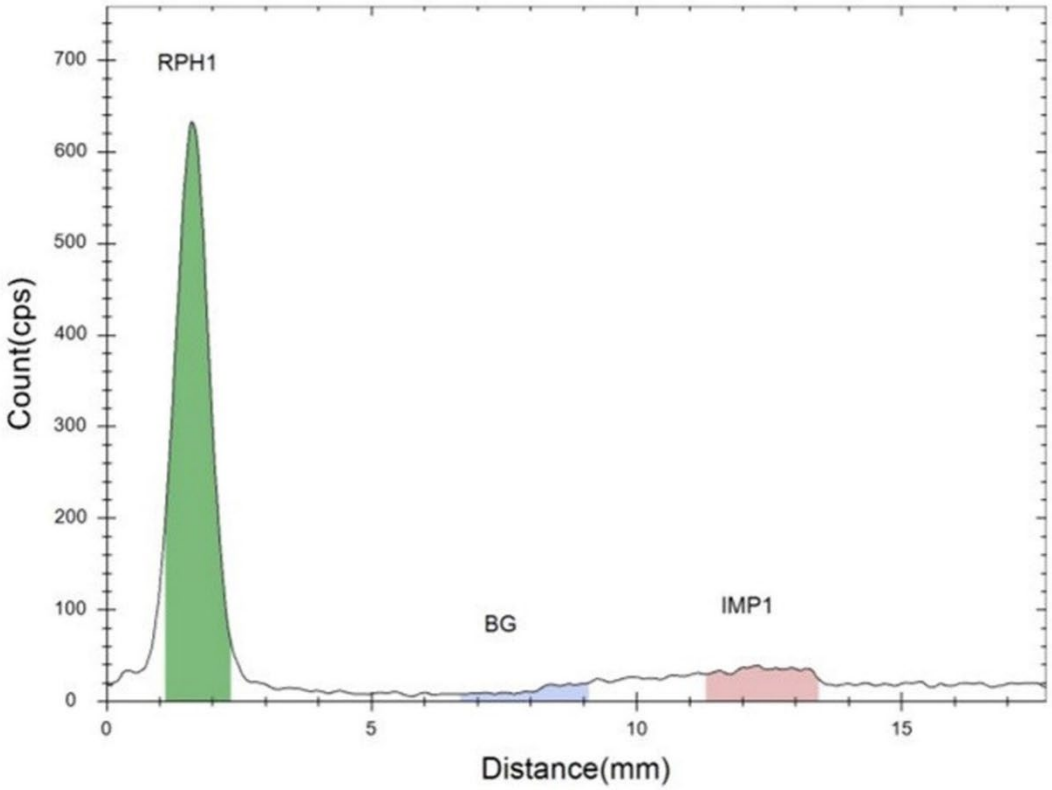

Figure S1. Radiopharmaceutical purity of ^{99m}Tc-labeled D–BTX complex in a 3D plot, measured by RT-LC analysis.

CFP RTLC2118 REPORT

Laboratory:	Default	**Operator:**	User
Time:	60 (Sec)	**Repeat:**	2
Date Time:	3/10/2025 11:23:36 AM	**Resolution:**	0.0425 (mm)
Sample ID:	14031220 11.23.06_Technetium-99_conj_1_ User		

Chromatogram 2D Plot

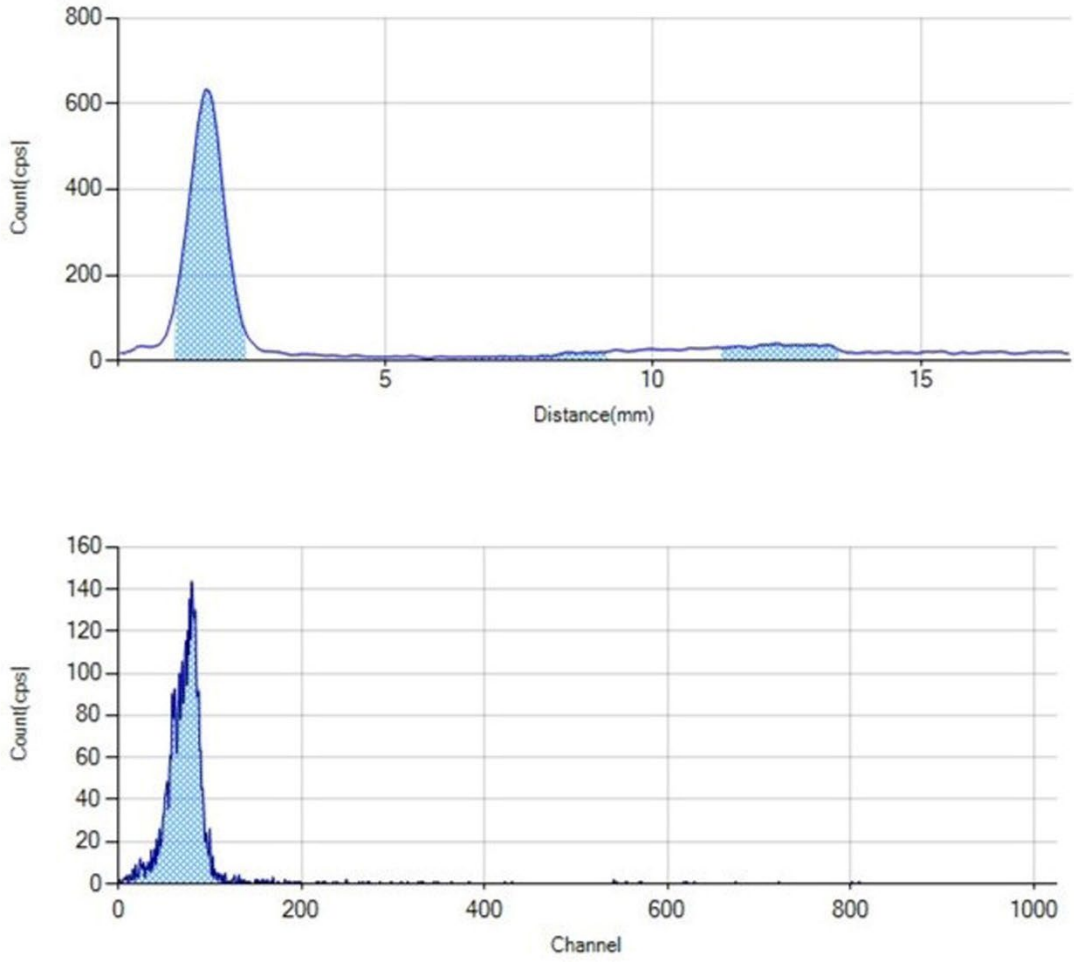

Figure S2. Radiopharmaceutical purity of ^{99m}Tc-labeled D–BTX complex in a 2D plot, measured by RT-LC analysis.

Radiopharmaceutical purity of ^{99m}Tc-labeled D–BTX complex in 2D and 3D plots, measured by RT-LC analysis.