

Instrument Parameters

Method: Ga-68 Chloride
Evaluated: 07 Sep 2026 14:03:50
Evaluation by: qc
Collimator Type: Hi Efficiency
Elect. Resol: Normal
Resolution: 256 chan
Hi Voltage: 1502 Volts
Run Time: 1.00 min
Relative Pos: 0.0 mm

File: V004 CYC.R001
Created: 07 Sep 2026 14:03:50
Width: 10 mm
Amp. Range: 50 - 2047
Chan Size: 0.868 mm
Chan of Zero mm: 12.0
Max Count: 0

Comments

Rf Ga-68 Chloride - 0.0 - 0.50

Analysis Parameters

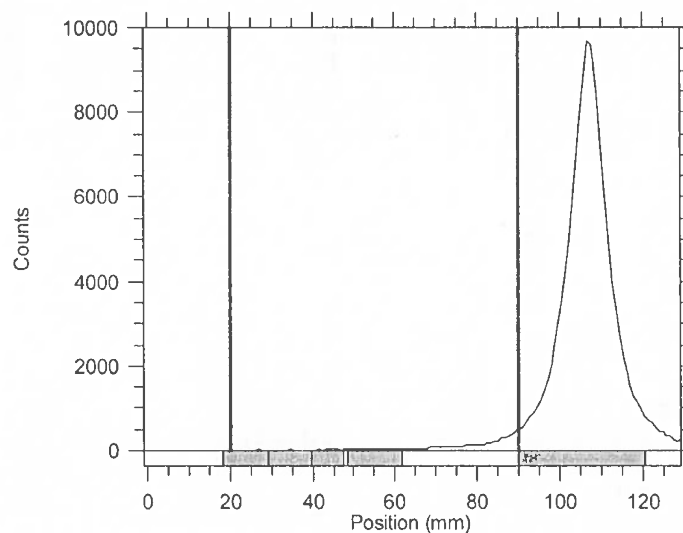
Bkg Subtraction: none
Normalization: none
Total Counts: 138332.0 (138332.0 CPM)
Total File Counts: 146798

Origin: 20.0 mm
Front: 90.0 mm
Region: 0.0 - 120.0 mm

Region Analysis

Definition: Peak Search
Peak Slope: 0.1 counts/mm
Min Width: 5.0 mm
Min pct of Total: 0.1 %

Reg	(mm) Start	(mm) Stop	(mm) Centroid	RF	Region Counts	Region CPM	% of Total	% of ROI
Rgn 1	18.2	29.5	23.7	0.053	193.0	193.0	0.14	0.14
Rgn 2	29.5	39.9	34.1	0.202	216.0	216.0	0.16	0.16
Rgn 3	39.9	47.7	43.6	0.337	205.0	205.0	0.15	0.15
Rgn 4	48.6	61.6	55.4	0.506	489.0	489.0	0.35	0.37
Rgn 5	90.2	120.6	106.7	1.238	132293.0	132293.0	95.63	99.17
5 Peaks					133396.0	133396.0	96.43	100.00



***** G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET03

Report Generated On : 9/7/2026 1:58:36 PM

Sample Title : Ga6BULK V004

Sample Description :

Sample Identification : Gamma Spec.3

Sample Type :

Sample Geometry :

Peak Locate Threshold : 5.00

Peak Locate Range (in channels) : 1 - 4096

Peak Area Range (in channels) : 1 - 4096

Identification Energy Tolerance : 1.000 keV

Sample Size : 2.000E-003 ML

Sample Taken On : 9/7/2026 12:00:00 PM

Acquisition Started : 9/7/2026 1:51:08 PM

Live Time : 300.0 seconds

Real Time : 447.6 seconds

Dead Time : 32.98 %

Energy Calibration Used Done On : 6/9/2026

Efficiency Calibration Used Done On : 6/28/2026

Efficiency ID :

 ***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/ML)	Wt mean Activity Uncertainty
Ga-66	0.980	1.841379E+002	1.504658E+001
GA-68	@ 0.985	1.499710E+005	3.333679E+003

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

***** U N I D E N T I F I E D P E A K S *****

Peak Locate Performed on: 9/7/2026 1:58:36 PM
 Peak Locate From Channel: 1
 Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
1	13.27	3.8307E+002	0.66		
2	93.37	5.5319E+000	66.55		
4	805.95	2.4556E+000	14.36		
5	1021.96	2.8536E+001	1.66	Sum	
8	1261.94	1.7461E+000	6.57		

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma

149.97 - 99.88
 0.18 - 0.12

 150.15

***** G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET02

Report Generated On : 9/7/2026 12:22:21 PM

Sample Title : Ga68 DOTATE V004

Sample Description :

Sample Identification : Gamma Spec.2

Sample Type :

Sample Geometry :

Peak Locate Threshold : 5.00

Peak Locate Range (in channels) : 1 - 4096

Peak Area Range (in channels) : 1 - 4096

Identification Energy Tolerance : 1.000 keV

Sample Size : 2.000E-003 ML

Sample Taken On : 9/7/2026 1:00:00 PM

Acquisition Started : 9/7/2026 12:16:56 PM

Live Time : 300.0 seconds

Real Time : 323.9 seconds

Dead Time : 7.36 %

Energy Calibration Used Done On : 6/14/2026

Efficiency Calibration Used Done On : 6/28/2026

Efficiency ID :

***** N U C L I D E I D E N T I F I C A T I O N R E P O R T *****

Sample Title: Ga68 DOTATE V004

Nuclide Library Used: C:\GENIE2K\CAMFILES\GA-68-A.NLB

..... IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (uCi/ML)	Activity Uncertainty
GA-68	0.991	511.00*	178.24	1.25139E+004	2.69650E+002
		1077.40* @	3.00	1.20783E+004	1.35716E+003
		1883.20 @	0.13		

* = Energy line found in the spectrum.

@ = Energy line not used for Weighted Mean Activity

Energy Tolerance : 1.000 keV

Nuclide confidence index threshold = 0.30

Errors quoted at 1.000 sigma

***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/ML)	Wt mean Activity Uncertainty
GA-68	@ 0.991	1.251394E+004	2.696499E+002

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

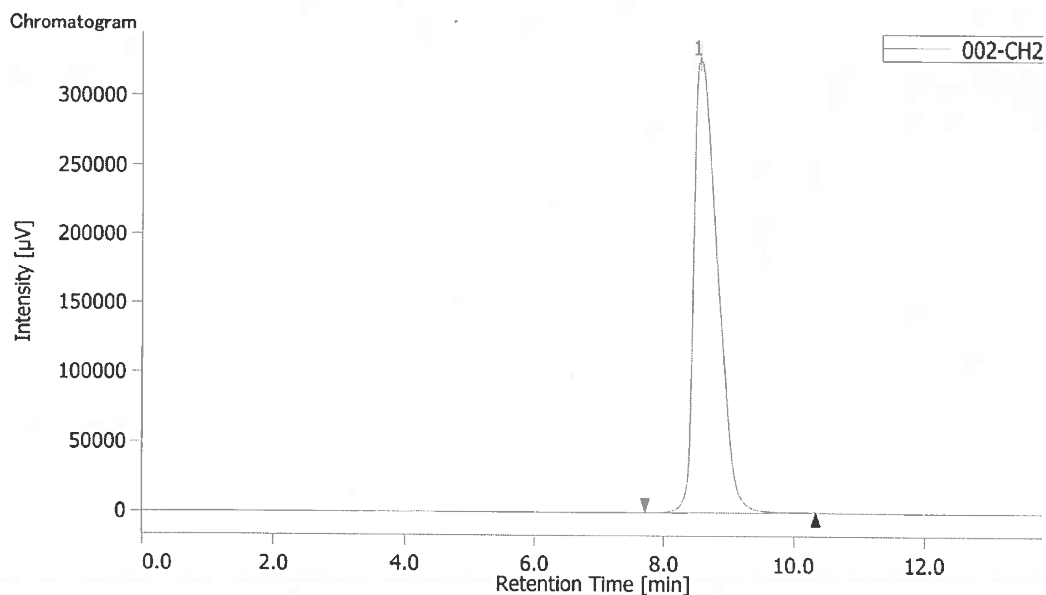
***** U N I D E N T I F I E D P E A K S *****

Peak Locate Performed on: 9/7/2026 12:22:21 PM
Peak Locate From Channel: 1
Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
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All peaks were identified.

RADIOCHEMICAL PURITY



Chromatogram Information

User Name Administrator
Date Modified 9/7/2026 12:23:20 PM
Description
HPLC System Name LC1
Injection Date 9/7/2026 12:09:27 PM
Volume 10.00 [µL]
Sample # 1
Project Name Ga68-DOTATATE
Acquisition Time 15.0 [min]
Acquisition Sequence
Control Method DOTA-TATE220
Peak ID Table Ga-68 Dotatate
Calibration Method
Additional Information
Column Info

Peak Information

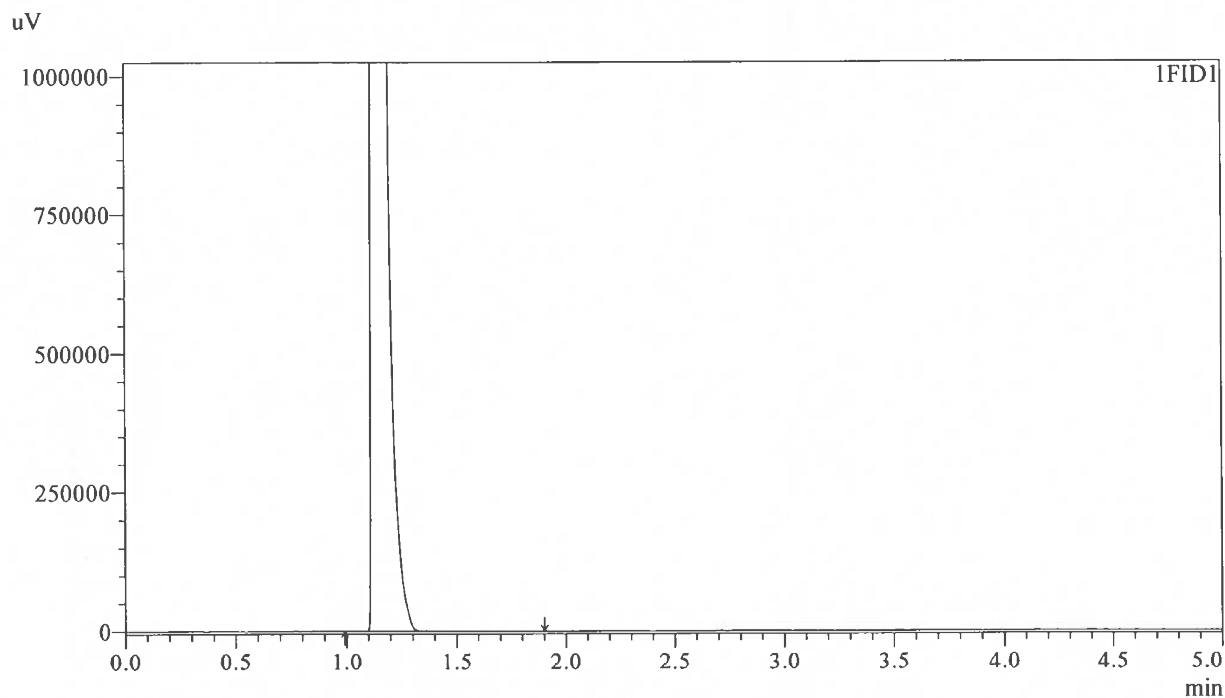
#	Peak Name	CH	tR [min]	Area [µV·sec]	Area%	Quantity
1	Ga-68 DOTATATE	2	8.56	8282652.2	100	N/A

OPERATOR 

DATE 07 Sept. 26

Cyclotron and Radiopharmaceuticals Department
 Quality Control Section
 GC -2010 Report
 Ga-68/ Lu-177 PSMA/Dotatate Solvent Analysis

Ga-68 DOTA V004 C:\LabSolutions\Data\Project1\test9-1-7747.gcd



Ga-68 DOTA V004 C:\LabSolutions\Data\Project1\test9-1-7747.gcd

FID1					
Peak#	Name	Ret. Time	Area	Conc.	Unit
1	Ethanol	1.158	32418410	8.100	%
Total				8.100	

Operator: SL

Instrument Parameters

Method:	Ga-68 Dotatate	File:	V004.R001
Evaluated:	07 Sep 2026 12:26:26	Created:	07 Sep 2026 12:26:26
Evaluation by:	qc		
Collimator Type:	Hi Efficiency	Width:	10 mm
Elect. Resol:	Normal	Amp. Range:	50 - 2047
Resolution:	256 chan	Chan Size:	0.868 mm
Hi Voltage:	1503 Volts	Chan of Zero mm:	12.0
Run Time:	1.00 min	Max Count:	0
Relative Pos:	0.0 mm		

Comments

Rf Ga-68 Dotatate - 0.5 - 1.0 Rf Ga-68 Chloride - 0.0 - 0.50

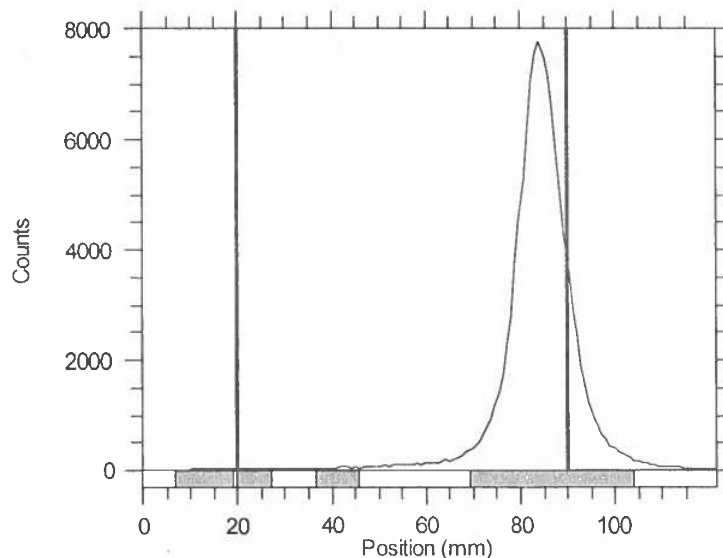
Analysis Parameters

Bkg Subtraction:	none	Origin:	20.0 mm
Normalization:	none	Front:	90.0 mm
Total Counts:	117017.0 (117017.0 CPM)	Region:	0.0 - 120.0 mm
Total File Counts:	117804		

Region Analysis

Definition: Peak Search
 Peak Slope: 0.1 counts/mm
 Min Width: 5.0 mm
 Min pct of Total: 0.1 %

Reg	(mm) Start	(mm) Stop	(mm) Centroid	RF	Region Counts	Region CPM	% of Total	% of ROI
Rgn 1	6.9	19.0	14.0	-0.086	338.0	338.0	0.29	0.30
Rgn 2	19.9	26.9	22.6	0.038	290.0	290.0	0.25	0.26
Rgn 3	36.4	45.9	41.1	0.301	499.0	499.0	0.43	0.45
Rgn 4	69.4	104.1	84.8	0.925	110430.0	110430.0	94.37	98.99
4 Peaks					111557.0	111557.0	95.33	100.00



Instrument Parameters

Method: Ga-68 Chloride
Evaluated: 21 Jul 2026 11:54:14
Evaluation by: h
Collimator Type: Hi Efficiency
Elect. Resol: Normal
Resolution: 256 chan
Hi Voltage: 1503 Volts
Run Time: 1.00 min
Relative Pos: 0.0 mm

File: CYCV003.R001
Created: 21 Jul 2026 11:54:14
Width: 10 mm
Amp. Range: 50 - 2047
Chan Size: 0.868 mm
Chan of Zero mm: 12.0
Max Count: 0

Comments

Rf Ga-68 Chloride - 0.0 - 0.50

Analysis Parameters

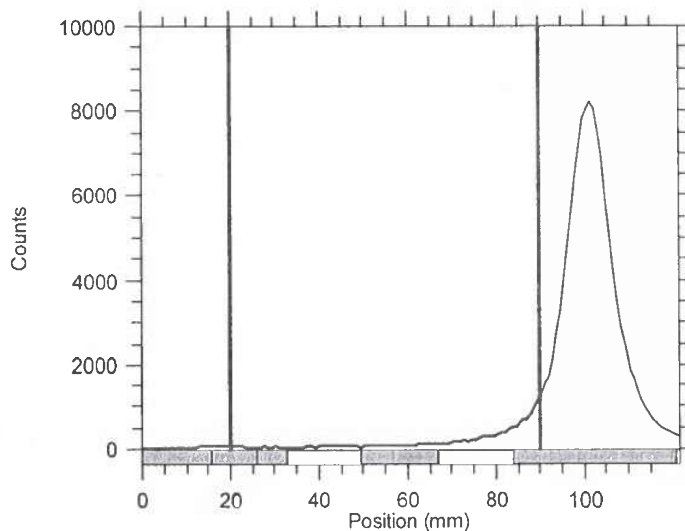
Bkg Subtraction: none
Normalization: none
Total Counts: 139090.0 (139090.0 CPM)
Total File Counts: 144251

Origin: 20.0 mm
Front: 90.0 mm
Region: 0.0 - 120.0 mm

Region Analysis

Definition: Peak Search
Peak Slope: 0.1 counts/mm
Min Width: 5.0 mm
Min pct of Total: 0.1 %

Reg	(mm) Start	(mm) Stop	(mm) Centroid	RF	Region Counts	Region CPM	% of Total	% of ROI
Rgn 1	0.0	15.6	9.0	-0.157	838.0	838.0	0.60	0.63
Rgn 2	15.6	26.0	20.0	0.000	935.0	935.0	0.67	0.70
Rgn 3	26.0	32.9	29.1	0.130	488.0	488.0	0.35	0.37
Rgn 4	49.4	66.8	58.6	0.551	2071.0	2071.0	1.49	1.56
Rgn 5	84.1	120.6	101.3	1.161	128408.0	128408.0	92.32	96.74
5 Peaks					132740.0	132740.0	95.43	100.00



***** G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET02

Report Generated On : 7/21/2026 11:57:49 AM

Sample Title : Ga-68 BULK CYC V003

Sample Description :

Sample Identification : Gamma Spec.2

Sample Type :

Sample Geometry :

Peak Locate Threshold : 5.00

Peak Locate Range (in channels) : 1 - 4096

Peak Area Range (in channels) : 1 - 4096

Identification Energy Tolerance : 1.000 keV

Sample Size : 2.000E-003 ML

Sample Taken On : 7/21/2026 12:00:00 PM

Acquisition Started : 7/21/2026 11:52:48 AM

Live Time : 257.2 seconds

Real Time : 300.0 seconds

Dead Time : 14.25 %

Energy Calibration Used Done On : 6/14/2026

Efficiency Calibration Used Done On : 6/28/2026

Efficiency ID :

PH 1.0

***** N U C L I D E I D E N T I F I C A T I O N R E P O R T *****

Sample Title: Ga-68 BULK CYC V003
Nuclide Library Used: C:\GENIE2K\CAMFILES\GA-68-A.NLB

..... IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (uCi/ML)	Activity Uncertainty
GA-68	0.996	511.00*	178.24	3.67934E+004	7.92015E+002
		1077.40* @	3.00	3.62154E+004	4.04745E+003
		1883.20 @	0.13		

* = Energy line found in the spectrum.

@ = Energy line not used for Weighted Mean Activity

Energy Tolerance : 1.000 keV

Nuclide confidence index threshold = 0.30

Errors quoted at 1.000 sigma

***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/ML)	Wt mean Activity Uncertainty
GA-68	@ 0.996	3.679337E+004	7.920152E+002

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

***** U N I D E N T I F I E D P E A K S *****

Peak Locate Performed on: 7/21/2026 11:57:49 AM
Peak Locate From Channel: 1
Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
3	1262.01	5.8420E-001	13.82		

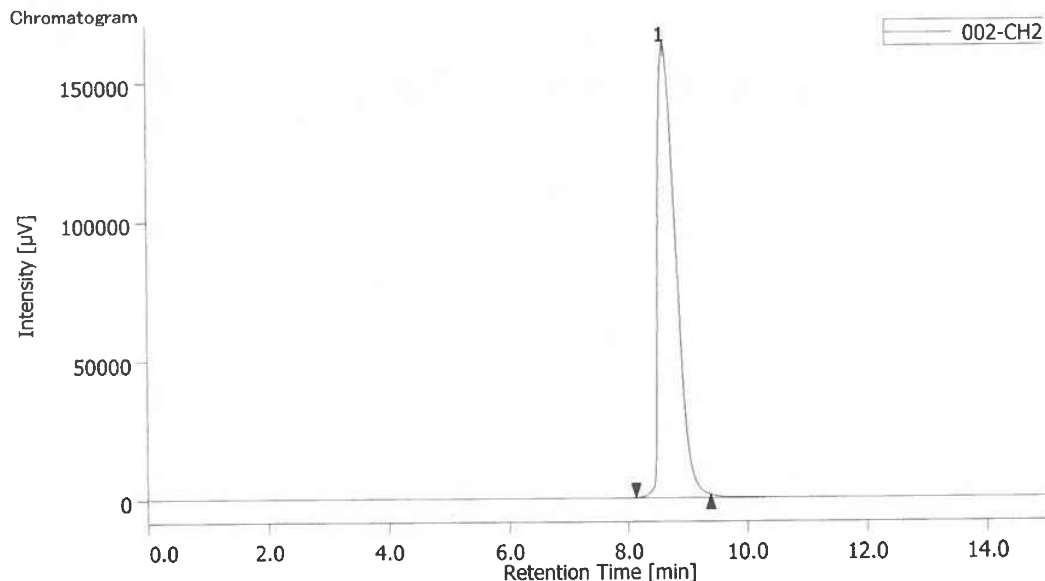
M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma

RADIOCHEMICAL PURITY



Chromatogram Information

User Name Administrator
Date Modified 7/21/2026 12:59:49 PM
Description LC1
HPLC System Name 7/21/2026 12:44:47 PM
Injection Date 10.00 [μL]
Volume 1
Sample # Ga68-DOTATATE
Project Name 15.0 [min]
Acquisition Time
Acquisition Sequence DOTA-TATE220
Control Method
Peak ID Table Ga-68 Dotatate
Calibration Method
Additional Information
Column Info

Peak Information

#	Peak Name	CH	tR [min]	Area [$\mu\text{V}\cdot\text{sec}$]	Area%	Quantity
1	Ga-68 DOTATATE	2	8.63	3389743.7	100	N/A

OPERATOR

DATE

21 July 26,

***** . G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET02

Report Generated On : 7/21/2026 12:45:55 PM

Sample Title : Ga-68 DOTATATE CYC V003
Sample Description :
Sample Identification : Gamma Spec.2
Sample Type :
Sample Geometry :

Peak Locate Threshold : 5.00
Peak Locate Range (in channels) : 1 - 4096
Peak Area Range (in channels) : 1 - 4096
Identification Energy Tolerance : 1.000 keV

Sample Size : 2.000E-003 ML

Sample Taken On : 7/21/2026 1:00:00 PM
Acquisition Started : 7/21/2026 12:40:54 PM

Live Time : 291.1 seconds
Real Time : 300.0 seconds

Dead Time : 2.95 %

Energy Calibration Used Done On : 6/14/2026
Efficiency Calibration Used Done On : 6/28/2026
Efficiency ID :

 ***** N U C L I D E I D E N T I F I C A T I O N R E P O R T *****

Sample Title: Ga-68 DOTATATE CYC V003
 Nuclide Library Used: C:\GENIE2K\CAMFILES\GA-68-A.NLB

..... IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (uCi/ML)	Activity Uncertainty
GA-68	0.995	511.00*	178.24	6.10623E+003	1.32229E+002
		1077.40* @	3.00	6.31871E+003	7.22629E+002
		1883.20 @	0.13		

* = Energy line found in the spectrum.

@ = Energy line not used for Weighted Mean Activity

Energy Tolerance : 1.000 keV

Nuclide confidence index threshold = 0.30

Errors quoted at 1.000 sigma

 ***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/ML)	Wt mean Activity Uncertainty
GA-68	@ 0.995	6.106226E+003	1.322288E+002

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

***** U N I D E N T I F I E D P E A K S *****

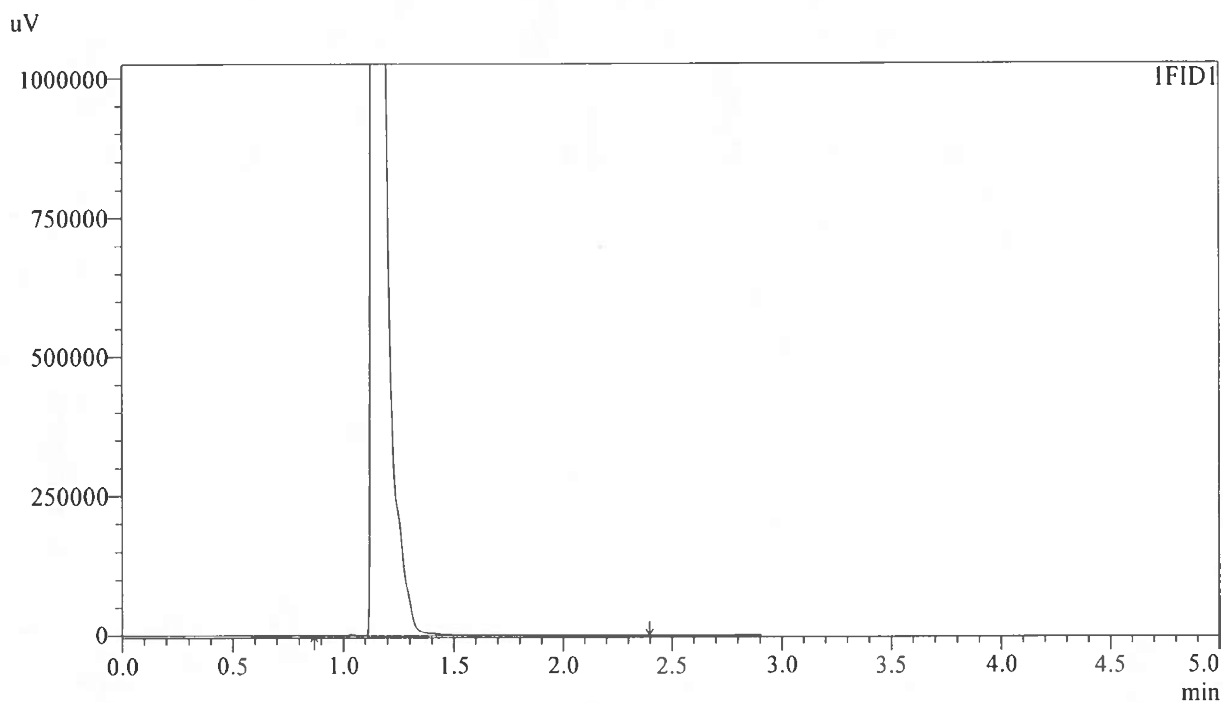
Peak Locate Performed on: 7/21/2026 12:45:54 PM
 Peak Locate From Channel: 1
 Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
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All peaks were identified.

Cyclotron and Radiopharmaceuticals Department
 Quality Control Section
 GC -2010 Report
 Ga-68/ Lu-177 PSMA/Dotatate Solvent Analysis

GA68DOTATATE CYC VOO3 C:\LabSolutions\Data\Project1\test9-1-7597.gcd



GA68DOTATATE CYC VOO3 C:\LabSolutions\Data\Project1\test9-1-7597.gcd

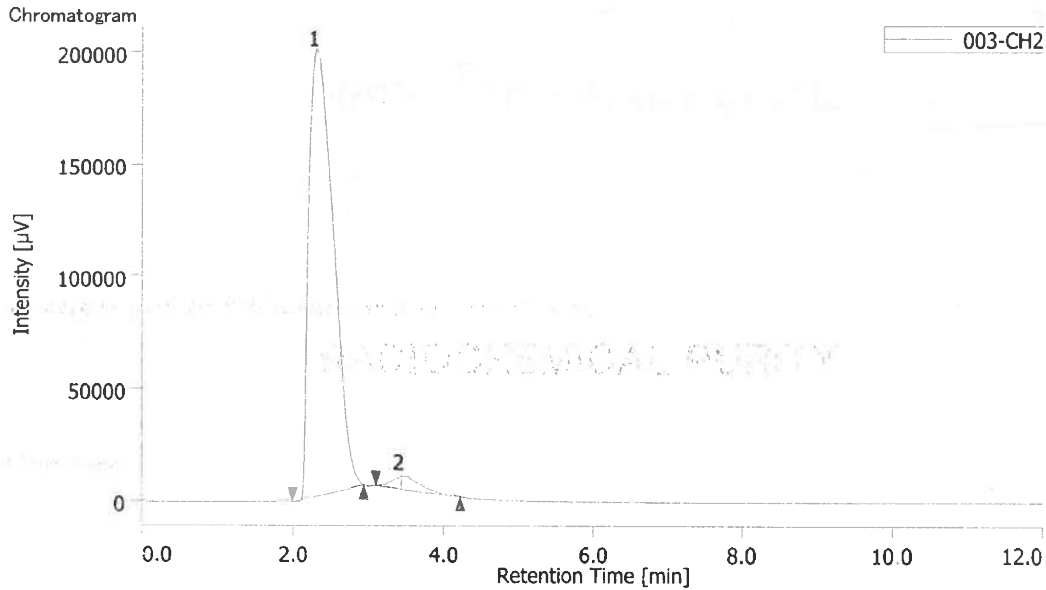
FID1

Peak#	Name	Ret. Time	Area	Conc.	Unit
1	Ethanol	1.144	21030273	5.016	%
Total				5.016	

Operator: _____

[Signature]

RADIOCHEMICAL PURITY



Chromatogram Information

User Name Administrator
Date Modified 3/10/2026 12:41:56 PM
Description
HPLC System Name LC1
Injection Date 3/10/2026 12:29:54 PM
Volume 10.00 [μ L]
Sample # 3
Project Name Ga68-DOTATATE
Acquisition Time 12.0 [min]
Acquisition Sequence
Control Method DOTA-TATE220
Peak ID Table Ga-68 Dotatate
Calibration Method
Additional Information
Column Info

Peak Information

#	Peak Name	CH	tR [min]	Area [μ V $\cdot$ sec]	Area%	Quantity
1	Unknown	2	2.31	4497643.3	96.5	N/A
2	Ga-68 chloride	2	3.44	161733.94	3.47	N/A

OPERATOR

DATE

10 March

***** G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET03

Report Generated On : 3/10/2026 12:43:44 PM
Sample Title : Ga-68 BULK CYC AUTOMATION
Sample Description :
Sample Identification : Gamma Spec.3
Sample Type :
Sample Geometry :

Peak Locate Threshold : 5.00
Peak Locate Range (in channels) : 1 - 4096
Peak Area Range (in channels) : 1 - 4096
Identification Energy Tolerance : 1.000 keV

Sample Size : 2.000E-003 ML

Sample Taken On : 3/10/2026 1:00:00 PM
Acquisition Started : 3/10/2026 12:38:43 PM

Live Time : 267.1 seconds
Real Time : 300.0 seconds

Dead Time : 10.98 %

Energy Calibration Used Done On : 5/21/2025
Efficiency Calibration Used Done On : 5/22/2025
Efficiency ID :

***** N U C L I D E I D E N T I F I C A T I O N R E P O R T *****

Sample Title: Ga-68 BULK CYC AUTOMATION
Nuclide Library Used: C:\GENIE2K\CAMFILES\GA-68-A.NLB

..... IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (uCi/ML)	Activity Uncertainty
GA-68	0.991	511.00*	178.24	1.12490E+004	2.04724E+002
		1077.40* @	3.00	1.13553E+004	1.22164E+003
		1883.20 @	0.13		

* = Energy line found in the spectrum.

@ = Energy line not used for Weighted Mean Activity

Energy Tolerance : 1.000 keV

Nuclide confidence index threshold = 0.30

Errors quoted at 1.000 sigma

 ***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/ML)	Wt mean Activity Uncertainty
GA-68	@ 0.991	1.124904E+004	2.047235E+002

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

***** U N I D E N T I F I E D P E A K S *****

Peak Locate Performed on: 3/10/2026 12:43:44 PM
 Peak Locate From Channel: 1
 Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
2	805.43	7.5916E-001	17.84		
4	1261.31	5.6494E-001	11.54		

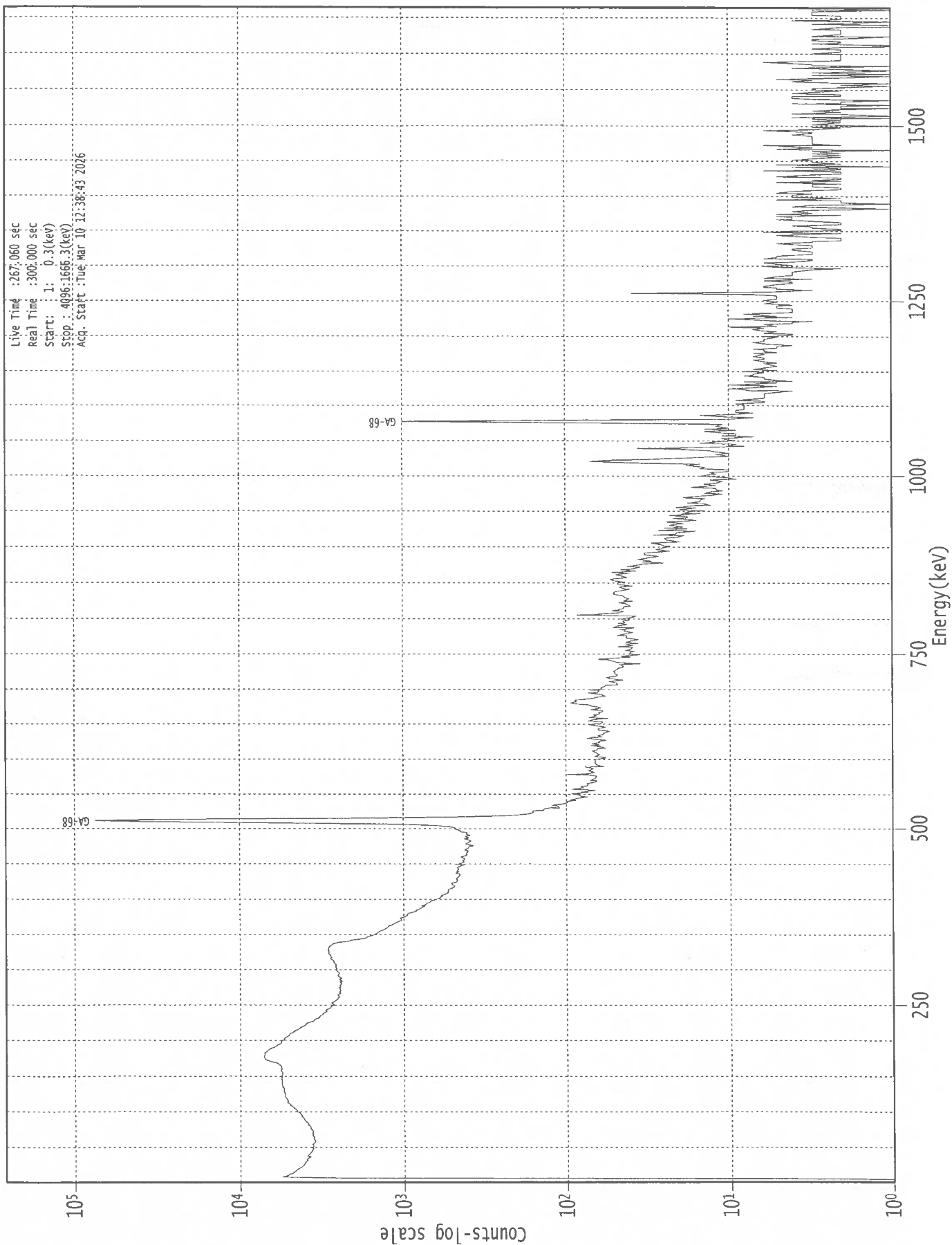
M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma

Detector DET03



[68Ga]Ga-DOTATATE using TK400/TK200**Instrument Parameters**

Method: Ga-68 Dotatate
Evaluated: 10 Mar 2026 13:40:22
Evaluation by: qc
Collimator Type: Hi Efficiency
Elect. Resol: Normal
Resolution: 256 chan
Hi Voltage: 1500 Volts
Run Time: 1.00 min
Relative Pos: 0.0 mm

File: 10032026.R001
Created: 10 Mar 2026 13:40:22
Width: 10 mm
Amp. Range: 50 - 2047
Chan Size: 0.868 mm
Chan of Zero mm: 12.0
Max Count: 0

Comments

Rf Ga-68 Dotatate - 0.5 - 1.0 Rf Ga-68 Chloride - 0.0 - 0.50

Analysis Parameters

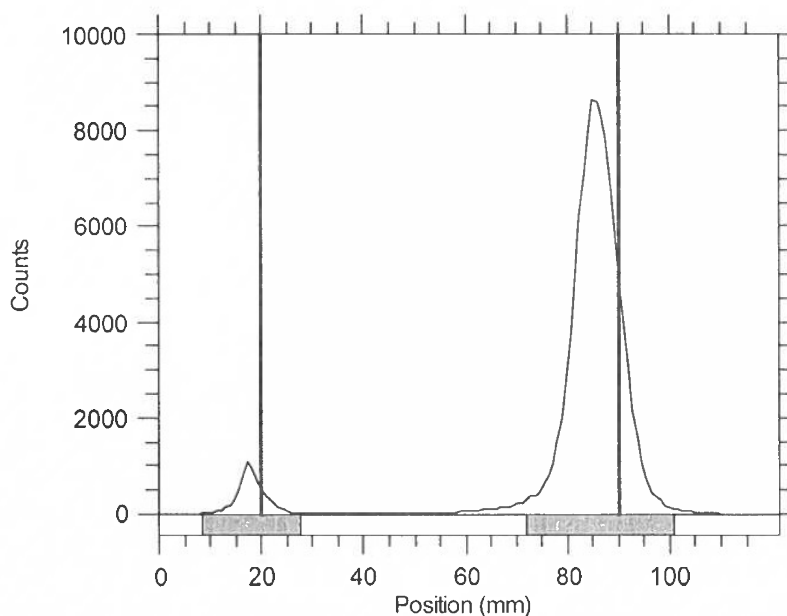
Bkg Subtraction: none
Normalization: none
Total Counts: 116477.0 (116477.0 CPM)
Total File Counts: 116611

Origin: 20.0 mm
Front: 90.0 mm
Region: 0.0 - 120.0 mm

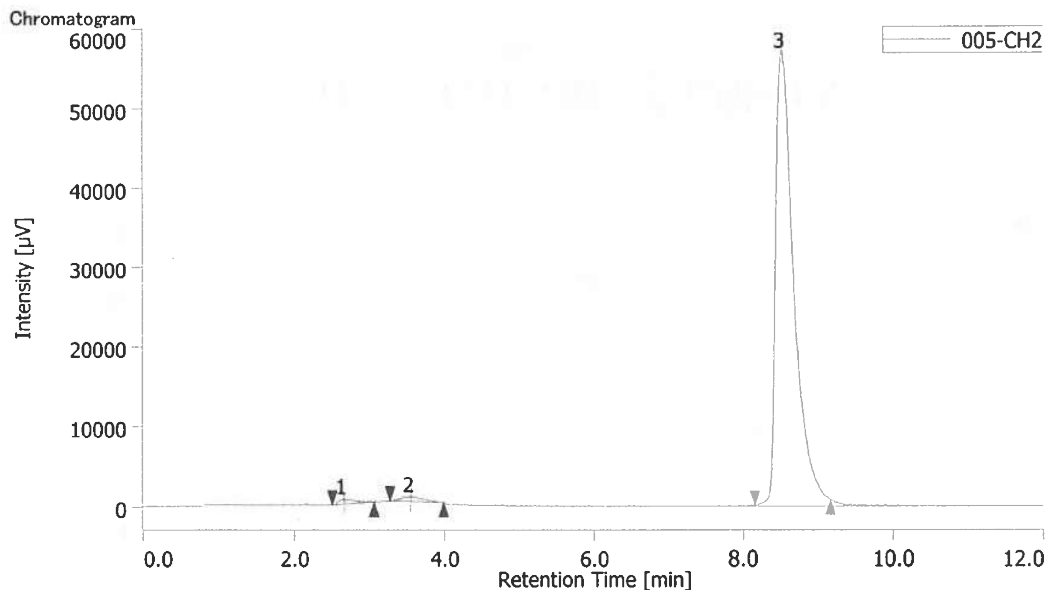
Region Analysis

Definition: Peak Search
Peak Slope: 0.1 counts/mm
Min Width: 5.0 mm
Min pct of Total: 0.1 %

Reg	(mm) Start	(mm) Stop	(mm) Centroid	RF	Region Counts	Region CPM	% of Total	% of ROI
Rgn 1	8.6	27.7	18.1	-0.028	6912.0	6912.0	5.93	6.16
Rgn 2	72.0	100.6	85.8	0.940	105349.0	105349.0	90.45	93.84
2 Peaks					112261.0	112261.0	96.38	100.00



RADIOCHEMICAL PURITY



Chromatogram Information

User Name Administrator
Date Modified 3/10/2026 1:25:29 PM
Description
HPLC System Name LC1
Injection Date 3/10/2026 1:13:28 PM
Volume 10.00 [µL]
Sample # 5
Project Name Ga68-DOTATATE
Acquisition Time 12.0 [min]
Acquisition Sequence
Control Method DOTA-TATE220
Peak ID Table Ga-68 Dotatate
Calibration Method
Additional Information
Column Info

Peak Information

#	Peak Name	CH	tR [min]	Area [µV·sec]	Area%	Quantity
1	Ga-68 chloride	2	2.65	9222.7627	0.927	N/A
2	Unknown	2	3.54	12225.206	1.23	N/A
3	Ga-68 DOTATATE	2	8.52	973566.98	97.8	N/A

OPERATOR

DATE

10 mar 26

[68Ga]GaCl3 using TK400/TK200

Instrument Parameters

Method: Ga-68 Chloride
Evaluated: 12 Apr 2026 12:54:00
Evaluation by: qc
Collimator Type: Hi Efficiency
Elect. Resol: Normal
Resolution: 256 chan
Hi Voltage: 1503 Volts
Run Time: 1.00 min
Relative Pos: 0.0 mm

File: CYCMP1.R001
Created: 12 Apr 2026 12:54:00
Width: 10 mm
Amp. Range: 50 - 2047
Chan Size: 0.868 mm
Chan of Zero mm: 12.0
Max Count: 0

Comments

Rf Ga-68 Chloride - 0.0 - 0.50

Analysis Parameters

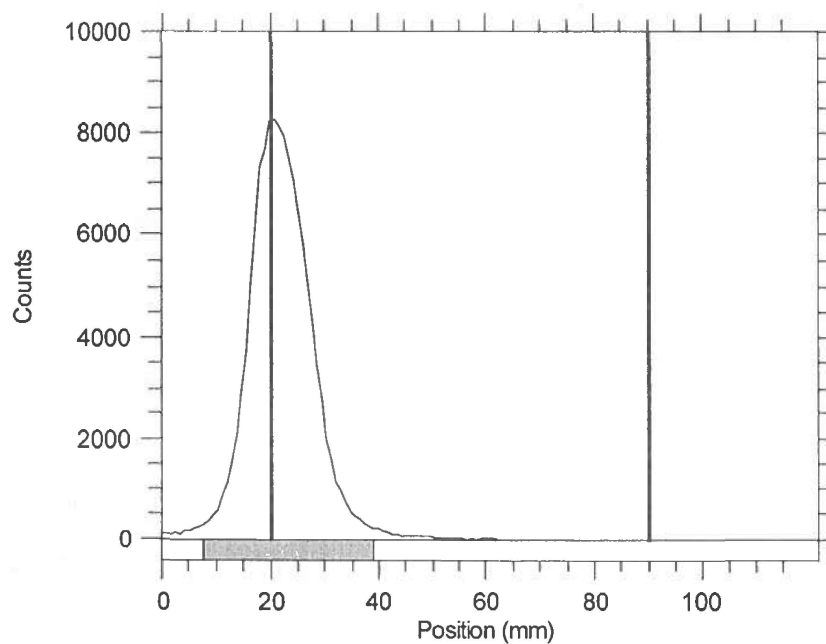
Bkg Subtraction: none
Normalization: none
Total Counts: 127505.0 (127505.0 CPM)
Total File Counts: 128071

Origin: 20.0 mm
Front: 90.0 mm
Region: 0.0 - 120.0 mm

Region Analysis

Definition: Peak Search
Peak Slope: 0.1 counts/mm
Min Width: 5.0 mm
Min pct of Total: 0.1 %

Reg	(mm) Start	(mm) Stop	(mm) Centroid	RF	Region Counts	Region CPM	% of Total	% of ROI
Rgn 1	7.8	39.0	22.0	0.029	123751.0	123751.0	97.06	100.00
1 Peaks					123751.0	123751.0	97.06	100.00



***** G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET03

Report Generated On : 4/12/2026 12:46:35 PM

Sample Title : Ga-68 BULK CYC TK 400 MANUAL
Sample Description :
Sample Identification : Gamma Spec.3
Sample Type :
Sample Geometry :

Peak Locate Threshold : 5.00
Peak Locate Range (in channels) : 1 - 4096
Peak Area Range (in channels) : 1 - 4096
Identification Energy Tolerance : 1.000 keV

Sample Size : 2.000E-003 ML

Sample Taken On : 4/12/2026 1:00:00 PM
Acquisition Started : 4/12/2026 12:41:34 PM

Live Time : 230.9 seconds
Real Time : 300.0 seconds

Dead Time : 23.02 %

Energy Calibration Used Done On : 5/21/2025
Efficiency Calibration Used Done On : 5/22/2025
Efficiency ID :

 ***** N U C L I D E I D E N T I F I C A T I O N R E P O R T *****

Sample Title: Ga-68 BULK CYC TK 400 MANUAL
 Nuclide Library Used: C:\GENIE2K\CAMFILES\GA-68-A.NLB

..... IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (uCi/ML)	Activity Uncertainty
Ga-66	0.933	1039.24*	37.00	3.26304E+001	8.54242E+000
GA-68	0.999	511.00*	178.24	2.59135E+004	4.71096E+002
		1077.40* @	3.00	2.63560E+004	2.82238E+003
		1883.20 @	0.13		

* = Energy line found in the spectrum.

@ = Energy line not used for Weighted Mean Activity

Energy Tolerance : 1.000 keV

Nuclide confidence index threshold = 0.30

Errors quoted at 1.000 sigma

 ***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (uCi/ML)	Wt mean Activity Uncertainty
Ga-66	0.933	3.263043E+001	8.542417E+000
GA-68	@ 0.999	2.591351E+004	4.710956E+002

? = nuclide is part of an undetermined solution

X = nuclide rejected by the interference analysis

@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

***** U N I D E N T I F I E D P E A K S *****

Peak Locate Performed on: 4/12/2026 12:46:34 PM
 Peak Locate From Channel: 1
 Peak Locate To Channel: 4096

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
1	9.44	2.7161E+002	0.89		
3	806.01	1.4337E+000	19.82		
4	1021.97	1.2423E+001	2.90	Sum	
7	1262.02	1.1206E+000	9.05		

M = First peak in a multiplet region

m = Other peak in a multiplet region

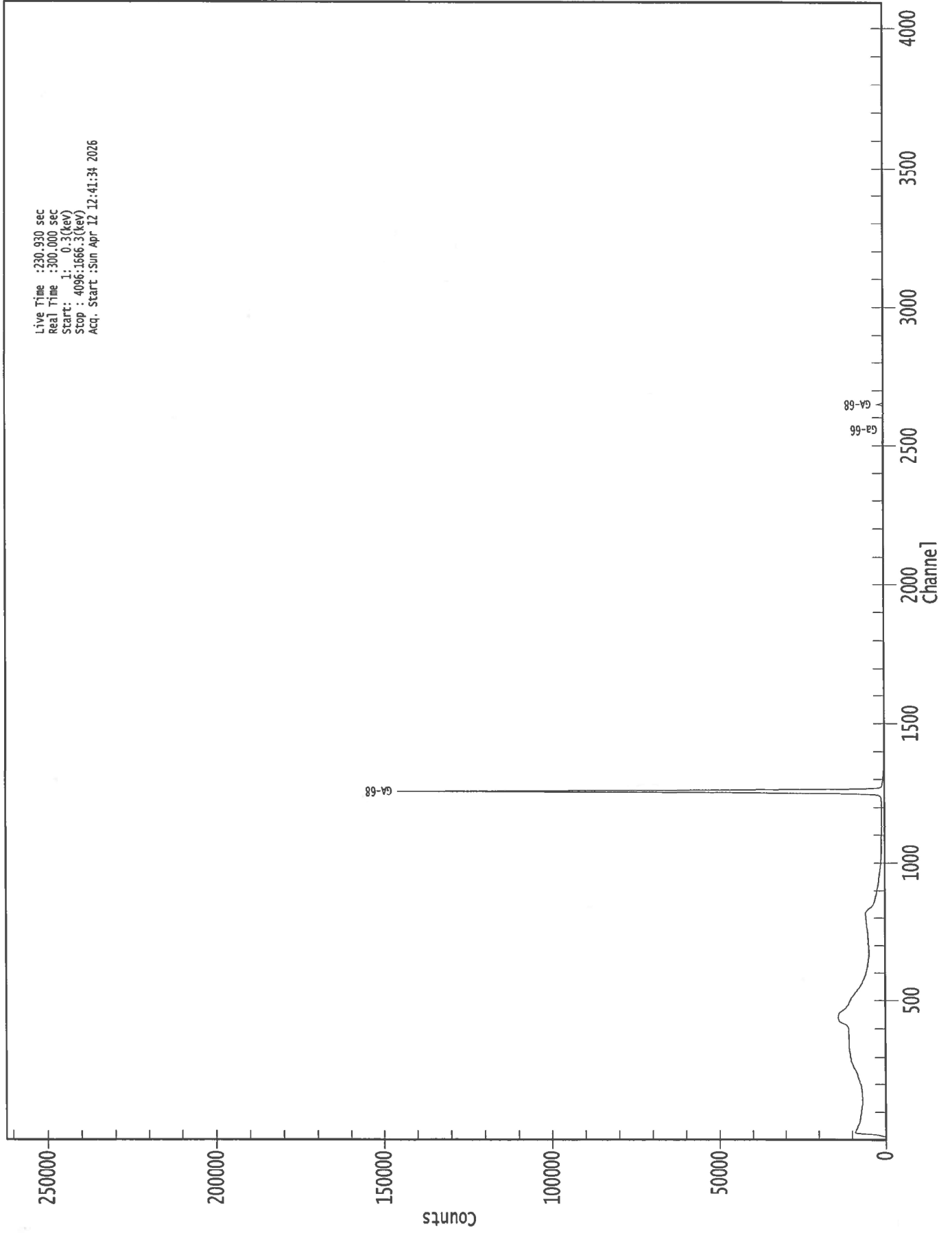
F = Fitted singlet

Errors quoted at 1.000 sigma

25.91 29.88
 0.03
 25.94

Detector DET03

Live Time : 230.930 sec
Real Time : 300.000 sec
Start: 1: 0.3(kev)
Stop : 4096:1666.3(kev)
Acq. Start : Sun Apr 12 12:41:34 2026



[68Ga]Ga-DOTATATE using TK400 alone**Instrument Parameters**

Method: Ga-68 Dotatate
Evaluated: 12 Apr 2026 13:25:38
Evaluation by: qc
Collimator Type: Hi Efficiency
Elect. Resol: Normal
Resolution: 256 chan
Hi Voltage: 1504 Volts
Run Time: 1.00 min
Relative Pos: 0.0 mm

File: CYC.R001
Created: 12 Apr 2026 13:25:38
Width: 10 mm
Amp. Range: 50 - 2047
Chan Size: 0.868 mm
Chan of Zero mm: 12.0
Max Count: 0

Comments

Rf Ga-68 Dotatate - 0.5 - 1.0 Rf Ga-68 Chloride - 0.0 - 0.50

Analysis Parameters

Bkg Subtraction: none
Normalization: none
Total Counts: 127287.0 (127287.0 CPM)
Total File Counts: 127766

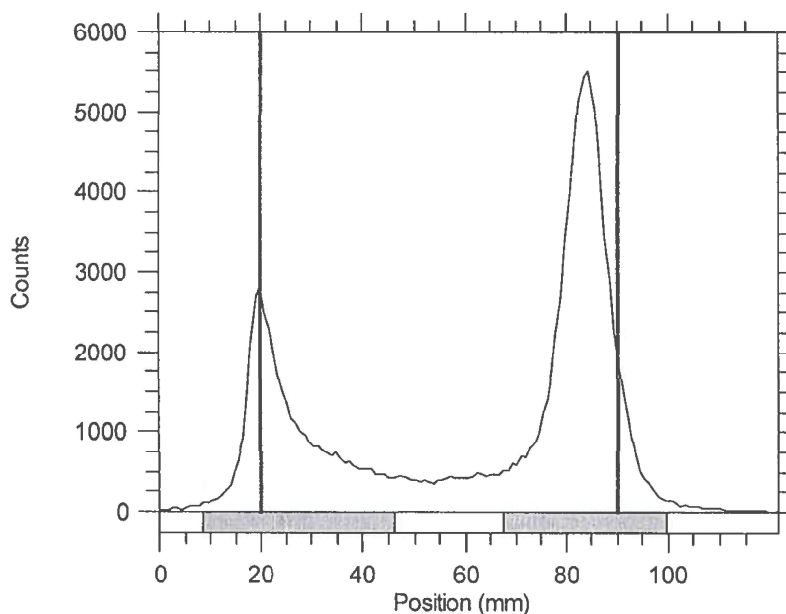
Origin: 20.0 mm
Front: 90.0 mm
Region: 0.0 - 120.0 mm

Region Analysis

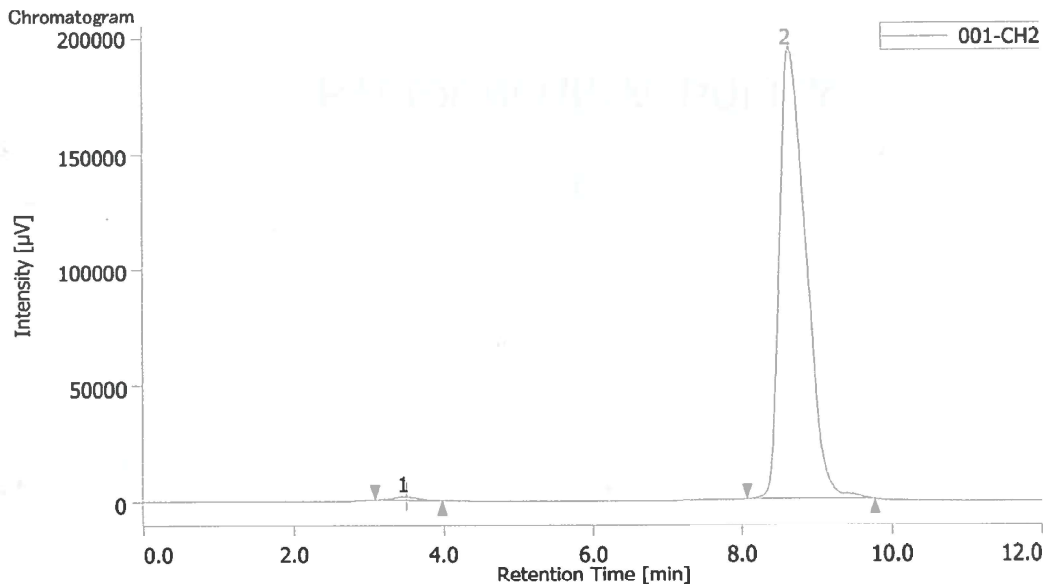
Definition: Peak Search
Peak Slope: 0.1 counts/mm
Min Width: 5.0 mm
Min pct of Total: 0.1 %

Labelled

Reg	(mm) Start	(mm) Stop	(mm) Centroid	RF	Region Counts	Region CPM	% of Total	% of ROI
Rgn 1	8.6	45.9	25.6	0.080	40141.0	40141.0	31.54	34.91
Rgn 2	67.6	99.8	83.3	0.904	74854.0	74854.0	58.81	65.09
2 Peaks					114995.0	114995.0	90.34	100.00



RADIOCHEMICAL PURITY



Chromatogram Information

User Name Administrator
Date Modified 4/12/2026 1:08:28 PM
Description LC1
HPLC System Name 4/12/2026 12:56:25 PM
Injection Date 10.00 [μ L]
Volume 1
Sample # Ga68-DOTATATE
Project Name 12.0 [min]
Acquisition Time
Acquisition Sequence DOTA-TATE220
Control Method Ga-68 Dotatate
Peak ID Table
Calibration Method
Additional Information
Column Info

Labelled

Peak Information

#	Peak Name	CH	tR [min]	Area [μ V $\cdot$ sec]	Area%	Quantity
1	Ga-68 chloride	2	3.50	32738.973	0.687	N/A
2	Ga-68 DOTATATE	2	8.64	4731210.5	99.3	N/A

OPERATOR

Yee

DATE

12 Apr 26