



Certificate of Analysis

API-TOF Reference Mass Solution Kit

Agilent Part Number: G1969-85001 **Sample Lot Number:** LC20663
Storage Condition: Room Temperature

This kit contains two ampoules each (2.2 ml/ampoule) of the following solutions:

I8720241 Lot: LC20660 2.5 mM Hexakis(1H, 1H, 3H-tetrafluoropropoxy)phosphazine
I8720242 Lot: LC20661 5.0 mM Purine
I8720243 Lot: LC20662 100.0 mM Ammonium Trifluoroacetate

Concentration (weight to volume) and Purity/Grades:

Neat Material	Gravimetric Conc.	Neat material Purity and/or Grade
Hexakis(1H, 1H, 3H-tetrafluoropropoxy)phosphazine (CAS NO.: 58943-98-9)	2.5mM	99.0%
Solvent Composition:		
Acetonitrile (CAS NO.: 75-05-8)	100.0%	HPLC grade 99.9%

Neat Material	Gravimetric Conc.	Neat material Purity and/or Grade
Purine (CAS NO.: 120-73-0)	5.0mM	99.9%
Solvent Composition:		
Acetonitrile (CAS NO.: 75-05-8)	90.0%	HPLC grade 99.9%
DI Water (CAS NO.: 7732-18-5)	10.0%	De-ionized

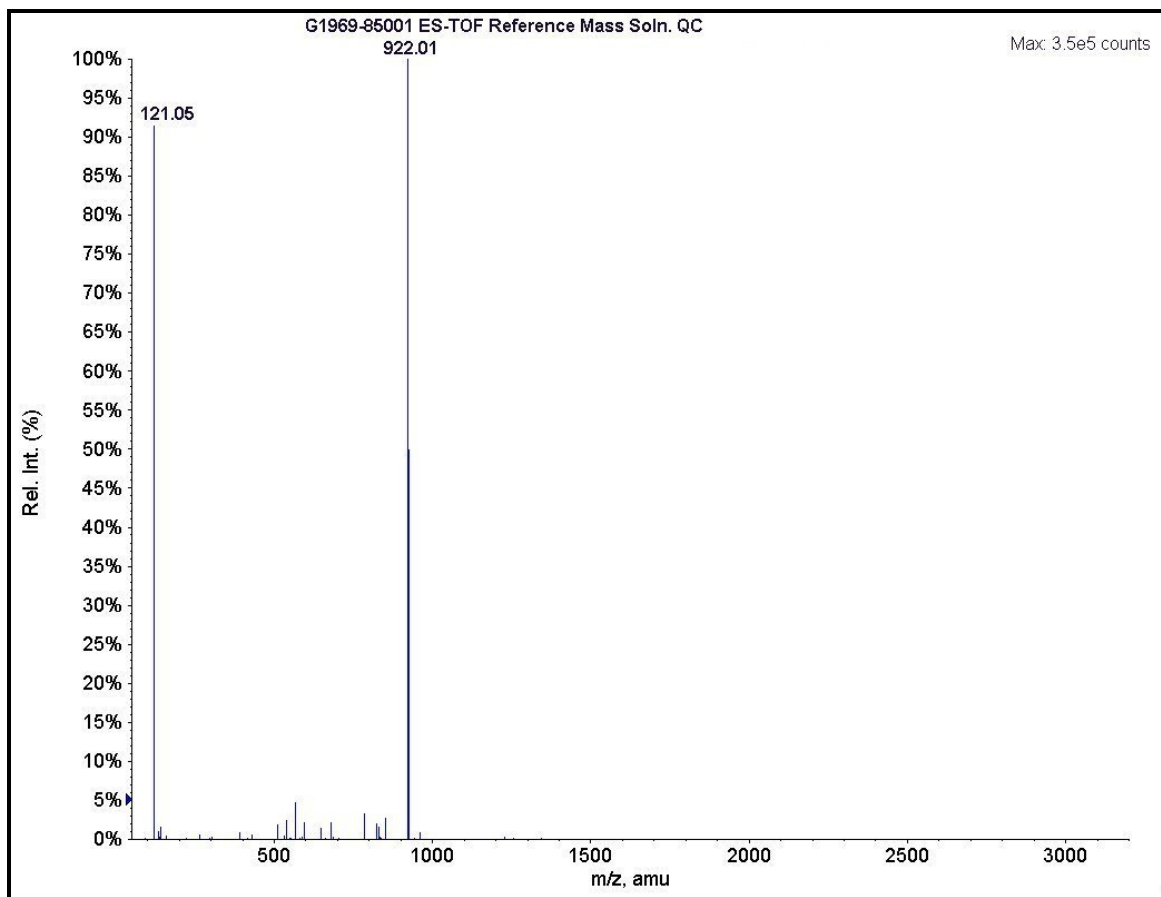
Neat Material	Gravimetric Conc.	Neat material Purity and/or Grade
Trifluoroacetic acid ammonium salt (CAS NO.: 3336-58-1)	100.0mM	99.6%
Solvent Composition:		
Acetonitrile (CAS NO.: 75-05-8)	90.0%	HPLC grade 99.9%
DI Water (CAS NO.: 7732-18-5)	10.0%	De-ionized

Traceability:

This standard has been produced gravimetrically using ISO9001 quality procedures. NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware.

ES-Mass spectrometry was used to evaluate this multi-standard solution.

G1969-85001 API-TOF SPECTRA



Sample: G1969-85001

Dilution: 125 μ M TFANH₄, 5 μ M Purine, 1.25 μ M HP-0921 in 95:5 Acetonitrile:Water

Instrument: Agilent G1969A API-TOF MS

Mode:ES

Polarity: Positive ion mode

CDS infusion rate: 0.05 ml/min

Vcap: -4 kV

Fragmentor: 150 V

Nebulizer pressure : 20 psig

Drying gas flow : 6 L/min

Drying gas temperature : 300 °C

MCP : 650 V

PMT : 703 V

Scan range: m/z 50-3200

Transients : 10,000

Flight tube: -6.5 kV

Oct. RF : 250 V pk

Date of Manufacture: 13 MAY 2016

Date of Expiration: 13 MAY 2017