



Analytical and Biochemical Services Sample Submission Form for 2012

Please print this form and include it with your sample and MSDS. Use a separate form for each compound. MSDS and payment information are required for sample analysis.

Shipping Date _____ Company _____
 Name of Submitter _____ Address _____
 E-mail _____
 Purchase Order # _____
 (P.O. or payment info is required to begin testing. Invoice will be sent to Accounts Payable of submitting company unless otherwise specified.)
 Other Billing Info. _____ Phone: _____
 Number of Samples _____ Name of Compound _____
 (If necessary for data analysis, please attach structure.)

Storage conditions:

- Ambient
- Refrigerator
- Std. Freezer
- 80 °C Freezer
- Light sensitive

Classification:

- Normal (OEL must be $\geq 30 \text{ ng/m}^3$; if not contact SSCI for special arrangements)
- Controlled Substance (DEA Schedules II-V; 25% surcharge)

Molecule Type:

- Small molecule organic
- Peptide Protein
- Oligonucleotide
- Inorganic
- Contains element heavier than Cl?

Refrigerated or frozen sample: How long may it be kept at ambient conditions during sample prep and analysis (default is 8 hours)? _____
 Other safety/handling information: _____

Standard Turnaround Analyses Requested

Lot number	Weight	XRPD	VT / VRH XRPD	Single crystal structure	IR	Raman	TGA	TG-IR	DSC	mDSC	Vapor Sorption/ Desorp.	Light Microsc.	Hotstage Light Microscopy	DLS	Bulk/ Tapped Density

Standard Turnaround Analyses Requested

Lot number	Weight	Malvern Particle Size	BET Surface Area	Karl Fischer	Mass Spec.	SEM	EDX	pKa- logP/logD	Amino Acid Analysis	N-terminal sequencing	MALDI- TOF MS	SDS- PAGE	Endotoxin (LAL)

Rush or Urgent Turnaround Analyses Requested

Lot number	Weight	XRPD	IR	Raman	TGA	DSC	SEM	Light Microscopy

*SSCI will fax or e-mail your analytical results within 1 or 3 business days of receiving sample, MSDS, and PO number. Contact SSCI for availability of Rush Service for other analytical techniques.

NMR Spectroscopy Requested (turnaround times may vary)

Lot number	Weight	1D Liquids							2D Liquids	1D Solids								
		¹ H	¹³ C	¹⁹ F	²⁹ Si	³¹ P	Other nucleus	solvent	Est. solubility	Specify experiment	¹³ C	¹⁹ F	²⁹ Si	³¹ P	Other nucleus	CP/MAS	MAS	Other expt

Other Analyses Requested: _____

Analysis Conditions:

Standard analysis conditions will be used unless otherwise specified. Please state any specific instrumental parameters or experimental methods to be used:

Please indicate purpose of analyses General Information FDA Submission Lot Release*

* Lot release analysis under GMP often requires a validated, product-specific method.

Has SSCI analyzed this compound for your company before? Yes No

Should SSCI compare present data to that from samples previously analyzed by SSCI? Yes No

If yes, please include the report number(s) and/or lot number(s) of the samples to be used for comparison. An hourly charge will be incurred for this service (1-hour minimum). Non-interpretative reports are not available if data comparison is desired.

Report Number _____

Lot Number _____

Comments _____

Report and Priority Options

Interpretative. Billed at analysis plus data interpretation hourly charges.

Service requested:

- Standard turnaround (Typical report time is 7-10 business days for most techniques. Contact SSCI for details.)
- 1-day Urgent Service for XRPD, IR, Raman, TGA, DSC, or microscopy
(100% surcharge; results via e-mail or fax by next business day; report within 4 business days)
- 3-day Rush Service for XRPD, IR, Raman, TGA, DSC, or microscopy
(50% surcharge; results via e-mail or fax in 3 business days; report within 5 business days)
- Rush Service for other techniques (Contact SSCI for availability, price, and time.)

Non-interpretative. (Billed at analysis price plus minimum report generation charge. Not available for techniques where interpretation is integral to analysis.)

Service requested:

- Standard turnaround (Typical report time is 5 business days for most techniques. Contact SSCI for details.)
- 1-day Urgent Service for XRPD, IR, Raman, TGA, DSC, or microscopy
(100% surcharge; results via e-mail or fax by next business day; non-interpretative report within 3 business days)
- 3-day Rush Service for XRPD, IR, Raman, TGA, DSC, or microscopy
(50% surcharge; results via e-mail or fax in 3 business days; non-interpretative report within 4 business days)

Should SSCI send your signed report via e-mail (PDF) or fax? Yes No _____
The signed hardcopy will be shipped by standard courier. (E-mail address or fax number)

Shipping: Send your samples, an MSDS and the Sample Submission Form with PO number to:

Sample Receiving
SSCI, A Division of Aptuit
3065 Kent Avenue
West Lafayette, IN 47906-1076

Phone: 765-463-0112 or 800-375-2179
Fax: 765-463-4722
E-mail: info@ssci-inc.com

SSCI accepts sample deliveries Monday to Friday, except holidays, from 8:00 AM until 4:00 PM (Eastern). To deliver a sample at an alternative time, please call and arrange in advance, (800) 375-2179 or (765) 463-0112.

Sample Disposition

- Please destroy sample(s) no less than 30 days after completion of project.
- Please return sample(s) by FedEx Ground at no additional cost. Provide address if different than shown on page 1. Returned samples are not suitable for human consumption.

Invoicing will occur upon completion of sample analysis and is to be paid according to the terms stated on the invoice.

For internal use only:

Date and time samples received at SSCI: _____

By: _____

Analytical and Biochemical Services

All analyses are performed in compliance with cGMP unless noted.

For quote contact Brent Russell, Director of Analytical Resources.
765-463-0112 ext. 3291; brent.russell@aptuit.com

Analysis	Sample Requirement
Differential Scanning Calorimetry (DSC)	5 mg
Modulated DSC (mDSC)	5 mg
Density, bulk only, per sample	> 10 g
Density, bulk and tapped, per sample	> 10 g
Dissolution (intrinsic and drug product)	Contact SSCI
Energy Dispersive X-ray (EDX), includes SEM images	1 mg
Gas Chromatography (GC)	Contact SSCI
HPLC (reverse phase, ion-exchange, size-exclusion)	Contact SSCI
Infrared Spectroscopy (IR)	1 mg
IR microscopy	1 mg
Near IR Imager	50 mg
Karl Fischer water titration	Contact SSCI
Microscopy, hotstage, per hour	1 mg
Nuclear Magnetic Resonance (NMR), liquid, proton	5 mg
NMR, liquid, ¹³ C	50 mg
NMR, solid state, ¹³ C	50 mg
NMR, liquid, structure determination	5-50 mg
Particle size (Malvern laser scattering)	1 – 2 g
pKa and log P (non-GMP)	20 – 100 mg
Polarized Light Microscopy	1 mg
Raman Spectroscopy	10 – 100 mg
Raman Microscopy	1 mg
Scanning Electron Microscopy (SEM)	1 mg
Surface area (BET method)	500 mg
Thermogravimetric Analysis (TGA)	5 mg
TG-IR (TGA coupled to gas-phase IR)	20 mg
UV/Vis spectrophotometry	1 mg
Vapor sorption/desorption	20 mg
X-ray powder diffraction (XRPD)	15 – 100 mg
XRPD, variable temperature or variable humidity	50 – 200 mg
XRD, single-crystal structure (non-GMP)	n/a
Biochemistry Analytical Services	
Amino Acid Analysis	2 mg
Dynamic Light Scattering (DLS)	Contact SSCI
Electrospray Ionization Mass Spectrometry	Contact SSCI
Endotoxin Determination	Contact SSCI
Enzyme Activity Assays (Colorimetric or Fluorescent)	Contact SSCI
Isoelectric Focusing Gel Electrophoresis	1 mg
MALDI-TOF Mass Spectrometry	Contact SSCI
N-terminal Sequence Analysis	2 mg
Native Gel Electrophoresis	1 mg
Peptide Mass Fingerprinting (MALDI-TOF)	Contact SSCI
Peptide Mapping (UV detection or LC/MS)	Contact SSCI
SEC-MALS	Contact SSCI
SDS-PAGE	1 mg