

Sample Receipt Form for Procurement of UHPLC-MSMS System (NCFS / Outram)

Sample receipt form (Part 1)

Name of Recipient : _____

Company Name : _____

Date of receipt : _____

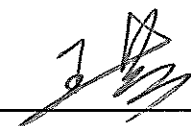
1.5 mL Sample Vials Standard 100 ppb (8 Analytes of interest)	Received (Yes/No)
$C_{10}H_{15}N$ Standard A (Exact Mass: 149.12045) <i>Methamphetamine</i>	
$C_{11}H_{15}NO_2$ Standard B (Exact Mass: 193.11028) <i>MDMA</i>	
Standard C (Exact Mass: 299.15214)	
$C_{13}H_{16}ClNO$ Standard D (Exact Mass: 237.09204) <i>Ketamine</i>	
$C_9H_{13}N$ Standard E (Exact Mass: 135.10480) <i>Benzeneamine / Amphetamine</i>	
$C_{10}H_{13}NO_2$ Standard F (Exact Mass: 179.09463) <i>Phenprobamate</i>	
Standard G (Exact Mass: 360.16379)	
Standard H (Exact Mass: 363.19582)	
Internal Standard A (Exact Mass: 157.17067) for Std A	
Internal Standard B (Exact Mass: 198.14167) for Std B	
Internal Standard C (Exact Mass: 302.17097) for Std C	
Internal Standard D (Exact Mass: 241.11715) for Std D	
Internal Standard E (Exact Mass: 140.13619) for Std E	
Internal Standard F (Exact Mass: 184.12602) for Std F	
Internal Standard G (Exact Mass: 359.16854) for Std G and H	

Sample receipt form (Part 2)

Sample Vials	Received (Yes/No)
Blank	
Standard Solution 1 (1 ppt)	
Standard Solution 2 (5 ppt)	
Standard Solution 3 (10 ppt)	
Standard Solution 4 (25 ppt)	
Standard Solution 5 (50 ppt)	
Standard Solution 6 (100 ppt)	
Standard Solution 7 (250 ppt)	
Unknown Blank A	
Unknown Blank B	
Unknown Solution A-1	
Unknown Solution A-2	
Unknown Solution A-3	
Unknown Solution B-1	
Unknown Solution B-2	
Unknown Solution B-3	

In order to prevent degradation of analytes, all solutions have been prepared with 10% methanol in acidified medium

Recipient Signature:



Handover Officer name and signature:

Instruction Sheet for UHPLC-MSMS Tender Evaluation Sample (NCFS/Outram)

Two sets of evaluation samples are to be received for the upcoming tender for the Triple Quad LCMSMS.

The first set consists of 2 1.5mL vials, containing a 100ppb standard mixture and a 100ppb internal standard mixture for optimization purposes.

The second set consists of 3 subsets of samples (all samples in this set have been spiked with 50 µL of 1 ppb Internal Standard solution containing internal standards A – G):

- 7 standard solutions of varying concentrations, with a solvent blank, for the purpose of establishing a calibration curve. 10 injections of standards 1 and 2 should be performed to display repeatability.
- Sample Set A consisting of a blank and 3 spiked samples
- Sample Set B consisting of a blank and 3 spiked samples

All analytes should be detected in positive polarity mode, and in a single run (per sample).

All samples should be stored in freezer.

Upon receipt of the evaluation samples, all parties are required to begin analysis of the samples as soon as possible, due to the stability of the analytes present. Tenderers are required to report their test findings by the closing date and time of the tender.

Results should be submitted to Favian Chua by either email or hardcopy report. The results should include a completed summary report (see behind), detailed UHPLC-MSMS running conditions, MRM chromatograms and calibration curves.

For any further enquiries, please contact Mr. Favian Chua at 6213 0864 or Favian.Chua.from.TP@sfa.gov.sg.

- (within 2 wks)
- ① Any injection volume?
 - ② Any restriction on particular buffers
 - ③ Ion ratio required?
 - ④ MRM transitions? how many?
 - ⑤

Summary Report (To be completed)

Mobile phase A used:

Mobile phase B used:

Column used:

Injection volume (Maximum 40 μ L):

Sample Vials	Analyte(s) identified	Concentration of Analyte(s)
<i>Example</i>	<i>A, B, C</i>	<i>A: 100 ppt B: 25 ppt C: 10 ppt</i>
Unknown A-1		
Unknown A-2		
Unknown A-3		
Unknown B-1		
Unknown B-2		
Unknown B-3		