



**Reporting Title:** CSM Enhanced Profile,21, HRMS/IA, U

**Performing Location:** Rochester

**Ordering Guidance:**

This test does not screen for drug classes other than those listed above.

**Specimen Requirements:**

Supplies: Urine Container, 60 mL (T313)

Collection Container/Tube: Plastic urine container

Submission Container/Tube: Plastic, 60 mL urine container

Specimen Volume: 30 mL

Collection Instructions:

1. Collect a random urine specimen.
2. Submit 30 mL in 1 plastic bottle.
3. No preservative.

Additional Information:

1. No specimen substitutions.
2. Submitting less than 30 mL may compromise the ability to perform all necessary testing.
3. STAT requests are not accepted for this procedure.

**Specimen Minimum Volume:**

20 mL

**Forms:**

If not ordering electronically, complete, print, and send a Therapeutics Test Request (T831) with the specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	14 days	

**Ask at Order Entry (AOE) Questions:**

Test ID	Question ID	Description	Type	Reportable
LPCM	LPCM	List patient's current medications	Plain Text	Yes



**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
LPCM	List Patient's Current Medications	Alphanumeric		66423-5
20606	Creatinine, U <b>Also used by tests: ADULT</b>	Numeric	mg/dL	2161-8
22312	Specific Gravity <b>Also used by tests: ADULT</b>	Numeric		5810-7
23509	pH <b>Also used by tests: ADULT</b>	Numeric		2756-5
23511	Oxidants <b>Also used by tests: ADULT</b>	Alphanumeric		58714-7
23510	Nitrites <b>Also used by tests: ADULT</b>	Alphanumeric		32710-6
30914	Comment <b>Also used by tests: ADULT</b>	Alphanumeric		48767-8
2574	Barbiturates <b>Also used by tests: CDAU7, CDAU</b>	Alphanumeric	ng/mL	70155-7
21652	Cocaine <b>Also used by tests: CDAU5, CDAU, CDAU7</b>	Alphanumeric	ng/mL	19359-9
2664	Tetrahydrocannabinol <b>Also used by tests: CDAU5, CDAU, CDAU7</b>	Alphanumeric	ng/mL	19415-9
42323	Codeine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19411-8
42324	Codeine-6-beta-glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89310-7
42325	Morphine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19597-4
42326	Morphine-6-beta-glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89308-1
42327	6-monoacetylmorphine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19321-9



Result ID	Reporting Name	Type	Unit	LOINC®
42328	Hydrocodone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19482-9
42329	Norhydrocodone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89304-0
42330	Dihydrocodeine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19446-4
42331	Hydromorphone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19486-0
42332	Hydromorphone-3-beta-glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89309-9
42333	Oxycodone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19642-8
42334	Noroxycodone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89303-2
42335	Oxymorphone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19646-9
42336	Oxymorphone-3-beta-glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89301-6
42337	Noroxymorphone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89302-4
42338	Fentanyl <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	59673-4
42339	Norfentanyl <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	43199-9
42340	Meperidine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19532-1
42341	Normeperidine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	27920-8
42342	Naloxone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	42618-9



Result ID	Reporting Name	Type	Unit	LOINC®
42343	Naloxone-3-beta-glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89307-3
42344	Methadone <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19550-3
42345	EDDP <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	93495-0
42346	Propoxyphene <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19429-0
42347	Norpropoxyphene <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19632-9
42348	Tramadol <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	19710-3
42349	O-desmethyiltramadol <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	86453-8
42350	Tapentadol <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	72485-6
42351	N-desmethyltapentadol <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89306-5
42352	Tapentadol-beta-glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89300-8
42353	Buprenorphine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	93494-3
42354	Norbuprenorphine <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	82371-6
42355	Norbuprenorphine glucuronide <b>Also used by tests: TOPSU</b>	Alphanumeric	ng/mL	89305-7
65059	Opioid Interpretation <b>Also used by tests: TOPSU</b>	Alphanumeric		69050-3
604871	Alprazolam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94116-1



Result ID	Reporting Name	Type	Unit	LOINC®
604867	Alpha-Hydroxyalprazolam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19325-0
604891	Alpha-Hydroxyalprazolam Glucuronide <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94115-3
604872	Chlordiazepoxide <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19385-4
604889	Clobazam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94114-6
604890	N-Desmethyclobazam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94113-8
604873	Clonazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19399-5
604267	7-aminoclonazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94112-0
604874	Diazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19443-1
604880	Nordiazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19624-6
604875	Flunitrazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19466-2
604866	7-aminoflunitrazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94111-2
604876	Flurazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19474-6
604868	2-Hydroxy Ethyl Flurazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94110-4
604877	Lorazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19520-6
604878	Lorazepam Glucuronide <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94109-6



Result ID	Reporting Name	Type	Unit	LOINC®
604879	Midazolam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19585-9
604869	Alpha-Hydroxy Midazolam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94108-8
604881	Oxazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19638-6
604882	Oxazepam Glucuronide <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94107-0
604883	Praxepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19678-2
604884	Temazepam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19698-0
604885	Temazepam Glucuronide <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94106-2
604886	Triazolam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	19714-5
604870	Alpha-Hydroxy Triazolam <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94105-4
604887	Zolpidem <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94104-7
604888	Zolpidem Phenyl-4-Carboxylic acid <b>Also used by tests: TABSU</b>	Alphanumeric	ng/mL	94103-9
604949	Benzodiazepine Interpretation <b>Also used by tests: TABSU</b>	Alphanumeric		69050-3
610273	Methamphetamine <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19554-5
610274	Amphetamine <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19343-3
610275	3,4-methylenedioxymethamphetamine (MDMA) <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19568-5



Result ID	Reporting Name	Type	Unit	LOINC®
610276	3,4-methylenedioxy-N-ethylamphetamine (MDEA) <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	59844-1
610277	3,4-methylenedioxyamphetamine (MDA) <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19565-1
610278	Ephedrine <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	99108-3
610279	Pseudoephedrine <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	99109-1
610280	Phentermine <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19674-1
610281	Phencyclidine (PCP) <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19659-2
610282	Methylphenidate <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	19577-6
610283	Ritalinic acid <b>Also used by tests: TSTIM</b>	Alphanumeric	ng/mL	99110-9
610284	Stimulant Interpretation <b>Also used by tests: TSTIM</b>	Alphanumeric		54247-2
616033	Ethyl Glucuronide Screen, U	Alphanumeric	ng/mL	58375-7

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**Components:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
LPCM	List Patient's Current Medications			Yes	No
ADULT	Adulterants Survey, U			Yes	Yes
PNRCH	Drug Immunoassay Panel, U			Yes	No



Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
TOPSU	Targeted Opioid Screen, U			Yes	Yes (Order TOSU)
TABSU	Targeted Benzodiazepine Screen, U			Yes	Yes (Order TBSU)
TSTIM	Targeted Stimulant Screen, U			Yes	Yes (Order TSPU)
ETGSR	Ethyl Glucuronide Scrn w/Reflex, U			Yes	No

**CPT Code Information:**

80307  
80347  
80364  
80326  
G0482 (if appropriate)

**Reflex Tests:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
COKEU	Cocaine and metabolite Conf, U			No	Yes
BARBU	Barbiturates Confirmation, U			No	Yes
THCU	Carboxy-THC Confirmation, U			No	Yes
ETGC	Ethyl Glucuronide Confirmation, U			No	Yes

**Result Codes for Reflex Tests:**

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
BARBU	21442	Butalbital-by GC/MS	Alphanumeric	ng/mL	16237-0
BARBU	20642	Amobarbital-by GC/MS	Alphanumeric	ng/mL	16239-6
BARBU	20643	Pentobarbital-by GC/MS	Alphanumeric	ng/mL	16240-4
BARBU	20644	Secobarbital-by GC/MS	Alphanumeric	ng/mL	16238-8
BARBU	20645	Phenobarbital-by GC/MS	Alphanumeric	ng/mL	16241-2





Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
BARBU	20651	Barbiturates Interpretation	Alphanumeric		69050-3
BARBU	20647	Chain of Custody	Alphanumeric		77202-0
COKEU	2922	Cocaine-by GC/MS	Alphanumeric	ng/mL	20519-5
COKEU	2902	Benzoylecgonine-by GC/MS	Alphanumeric	ng/mL	16226-3
COKEU	20671	Cocaine Interpretation	Alphanumeric		69050-3
COKEU	28080	Chain of Custody	Alphanumeric		77202-0
THCU	618770	Delta-8 Carboxy-Tetrahydrocannabinol by LC-MS/MS	Alphanumeric	ng/mL	20521-1
THCU	2497	Delta-9 Carboxy-Tetrahydrocannabinol by LC-MS/MS	Alphanumeric	ng/mL	20521-1
THCU	21186	Carboxy-THC Interpretation	Alphanumeric		69050-3
ETGC	63421	Ethyl Glucuronide	Alphanumeric	ng/mL	58378-1
ETGC	36848	Ethyl Sulfate	Alphanumeric	ng/mL	58425-0
ETGC	36849	Ethyl Gluc/Sulfate Interpretation	Alphanumeric		69050-3

**Reference Values:****ADULTERANT SURVEY:**

Cutoff concentrations

Oxidants: 200 mg/L

Nitrites: 500 mg/L

**DRUG IMMUNOASSAY PANEL:**

Negative

Screening cutoff concentrations:

Barbiturates: 200 ng/mL

Cocaine (benzoylecgonine-cocaine metabolite): 150 ng/mL

Tetrahydrocannabinol carboxylic acid: 50 ng/mL

This report is intended for use in clinical monitoring or management of patients. It is not intended for use in employment-related testing.

**TARGETED OPIOID SCREEN:**

Not Detected

Cutoff concentrations:

Codeine: 25 ng/mL

Codeine-6-beta-glucuronide: 100 ng/mL

Morphine: 25 ng/mL

Morphine-6-beta-glucuronide: 100 ng/mL

6-monoacetylmorphine: 25 ng/mL

Hydrocodone: 25 ng/mL

Norhydrocodone: 25 ng/mL



Dihydrocodeine: 25 ng/mL  
Hydromorphone: 25 ng/mL  
Hydromorphone-3-beta-glucuronide: 100 ng/mL  
Oxycodone: 25 ng/mL  
Noroxycodone: 25 ng/mL  
Oxymorphone: 25 ng/mL  
Oxymorphone-3-beta-glucuronide: 100 ng/mL  
Noroxymorphone: 25 ng/mL  
Fentanyl: 2 ng/mL  
Norfentanyl: 2 ng/mL  
Meperidine: 25 ng/mL  
Normeperidine: 25 ng/mL  
Naloxone: 25 ng/mL  
Naloxone-3-beta-glucuronide: 100 ng/mL  
Methadone: 25 ng/mL  
EDDP: 25 ng/mL  
Propoxyphene: 25 ng/mL  
Norpropoxyphene: 25 ng/mL  
Tramadol: 25 ng/mL  
O-desmethyiltramadol: 25 ng/mL  
Tapentadol: 25 ng/mL  
N-desmethyiltapentadol: 50 ng/mL  
Tapentadol-beta-glucuronide: 100 ng/mL  
Buprenorphine: 5 ng/mL  
Norbuprenorphine: 5 ng/mL  
Norbuprenorphine glucuronide: 20 ng/mL

TARGETED BENZODIAZEPINE SCREEN:  
Not Detected

Cutoff concentrations:  
Alprazolam: 10 ng/mL  
Alpha-Hydroxyalprazolam: 10 ng/mL  
Alpha-Hydroxyalprazolam Glucuronide: 50 ng/mL  
Chlordiazepoxide: 10 ng/mL  
Clobazam: 10 ng/mL  
N-Desmethyloclobazam: 200 ng/mL  
Clonazepam: 10 ng/mL  
7-aminoclonazepam: 10 ng/mL  
Diazepam: 10 ng/mL  
Nordiazepam: 10 ng/mL  
Flunitrazepam: 10 ng/mL  
7-aminoflunitrazepam: 10 ng/mL  
Flurazepam: 10 ng/mL  
2-Hydroxy Ethyl Flurazepam: 10 ng/mL  
Lorazepam: 10 ng/mL  
Lorazepam Glucuronide: 50 ng/mL  
Midazolam: 10 ng/mL  
Alpha-Hydroxy Midazolam: 10 ng/mL  
Oxazepam: 10 ng/mL  
Oxazepam Glucuronide: 50 ng/mL



Prazepam: 10 ng/mL  
Temazepam: 10 ng/mL  
Temazepam Glucuronide: 50 ng/mL  
Triazolam: 10 ng/mL  
Alpha-Hydroxy Triazolam: 10 ng/mL  
Zolpidem: 10 ng/mL  
Zolpidem Phenyl-4-Carboxylic acid: 10 ng/mL

**TARGETED STIMULANT SCREEN:**  
Not Detected

Cutoff concentrations:  
Methamphetamine: 100 ng/mL  
Amphetamine: 100 ng/mL  
3,4-methylenedioxymethamphetamine (MDMA): 100 ng/mL  
3,4-methylenedioxy-N-ethylamphetamine (MDEA): 100 ng/mL  
3,4-methylenedioxyamphetamine (MDA): 100 ng/mL  
Ephedrine: 100 ng/mL  
Pseudoephedrine: 100 ng/mL  
Phentermine: 100 ng/mL  
Phencyclidine (PCP): 20 ng/mL  
Methylphenidate: 20 ng/mL  
Ritalinic acid: 100 ng/mL

**ETHYL GLUCURONIDE SCREEN:**  
Negative

Screening cutoff concentrations:  
Ethyl Glucuronide: 500 ng/mL