

## Laboratory Services

**Admission Lab Panel** should be obtained for all new clients who have not had the lab work within the last six months, who have had a recent medical change, or as clinically indicated. It may be obtained by BHRS providers or other treating providers.

- 1. Complete Blood Count (CBC)**  
Includes differential and platelet count.
- 2. Comprehensive Metabolic Panel (CMP) -- Fasting**  
Includes albumin, alkaline phosphatase, ALT/AST, BUN, calcium, CO<sub>2</sub>, chloride, creatinine, globulin, glucose, potassium, sodium, total bilirubin, total protein, A/G ratio, BUN/creatinine ratio.
- 3. Fasting Lipid Panel**
- 4. HbA1c**
- 5. RPR**
- 6. TSH with reflex T4.**
- 7. Urinalysis**
- 8. Pregnancy test in women of childbearing age.**
- 9. Urine toxicology screen, choose one of the following:**

Test: 789120 -- 10 Drug plus Alc-Bundle	Test 794370 -- 9 Drug Urine Screen
Amphetamine screen (does not test for methylphenidate)	Amphetamines (same as 789210)
Barbiturates	Barbiturates
Benzodiazepines (only tests for nordiazepam, alprazolam and oxazepam, <b>DOES NOT</b> test for lorazepam or clonazepam)	Benzodiazepines (same as 789120)
Cannabinoid	Cannabinoid
Cocaine metabolite	Cocaine Metabolite
Phencyclidine	Phencyclidine
Propoxyphene	Propoxyphene
Methadone Screen	Methadone
Other opiates (Tests for codeine and morphine at the 2,000 ng/ml level. If positive, will automatically screen 6-Acetyl Morphine which if positive would indicate heroin use. <b>DOES NOT</b> test for other pain meds such as hydrocodone, hydromorphone, oxycodone or oxymorphone)	Other opiates: ( Tests for Codeine/morphine at the 300 ng/ml level. No REFLEX testing for 6-Acetyl Morphine. <b>DOES NOT</b> test for hydrocodone, dydromorphone, oxycodone or oxymorphone)
Methaqualone	
Ethanol	

**Annual lab panel** for on-going monitoring:

- **Complete Blood Count (CBC)**
- **Comprehensive Metabolic Panel (CMP) -- Fasting**
- **Fasting Lipid Panel**

**Additional lab panel** available for on-going monitoring:

- **Hepatic Function Panel**  
Includes: Albumin, alkaline phosphatase, ALT/AST, bilirubin total, bilirubin direct, globulin, total protein, A/G ratio.
- **Renal Function Panel**  
Includes: Albumin, BUN, calcium, CO<sub>2</sub>, chloride, creatinine, glucose, phosphorus, potassium, sodium, BUN/creatinine ratio.

## Antipsychotics -- All

Test	Baseline	Weekly	Monthly	At 3 months	Annually	As clinically indicated
AIMS	X				X	
ANC	Clozapine <sup>2</sup>	Clozapine <sup>2</sup>	Clozapine <sup>2</sup>			
Blood Pressure	X			X	X	
CBC w/ platelets	X				X	
Drug Concentration						X
EKG	X <sup>1</sup>					X
Fasting Glucose <sup>3</sup>	X			X	X	
Fasting Lipids	X			X	X	
CMP	X				X	
Prolactin						X
Weight (Optional: BMI or Waist Circum.)	X		First 6 months	Quarterly	X	

<sup>1</sup>Baseline EKG is recommended before starting drugs at high risk for QTc prolongation, such as chlorpromazine, haloperidol, and thioridazine. If baseline EKG indicates a QTc greater than 450 msec, the above medications are generally contraindicated. May consider baseline EKG when using combination of drugs with possible QTc prolongation risk. Reference: <https://www.crediblemeds.org/new-drug-list/>

<sup>2</sup>For Clozapine, weekly ANC monitoring for the initial 6 months, then biweekly for another 6 months; and if stable, monthly thereafter.

<sup>3</sup>HbA1c may be considered when known glucose impairment is present.

### Mood Stabilizers – Carbamazepine

Test	Baseline	Within 2 weeks	Within 1-3 months	Within 6-12 months	Annually	As clinically indicated
HLA-B 1502 <sup>1</sup>	X					
CBC w/ platelets	X	X	X	X	X	
Drug Concentration <sup>2</sup>		X	X	X	X	
CMP	X	X	X	X	X	
Fasting Lipids	X				X	
Weight (Optional: BMI or Waist Circum.)	X				X	X

<sup>1</sup> HLA-B testing recommended for Asian clients, see Carbamazepine Memo on SMCHHealth.org

<sup>2</sup> If new to Carbamazepine, check serum levels after 1 week of target dose, and after 6 weeks to assess need for higher dose due to auto-induction.

### Mood Stabilizers – Lithium

Test	Baseline	Within 2 weeks	Within 3-6 months	Annually	As clinically indicated
CBC w/ platelets	X		X	X	
Drug Concentration		X	X	X	
EKG	X <sup>1</sup>				X
CMP	X		X	X	
Fasting Lipids	X			X	
Thyroid Function	X	X		X	
Urine Analysis	X		X		X
Weight (Optional: BMI or Waist Circum.)	X				X

<sup>1</sup> Baseline EKG recommended for clients 40 yrs of age or older, or with preexisting cardiac conditions.

### Mood Stabilizers – Valproic Acid

Test	Baseline	Within 1-3 months	Within 6-12 months	Annually	As clinically indicated
CBC w/ platelets	X	X	X	X	
Drug Concentration		X	X	X	
CMP	X	X	X	X	
Fasting Lipids	X			X	
Prothrombin time					X
Amylase					X
Weight (Optional: BMI or Waist Circum.)	X			X	X

**Other Mood Stabilizers:** Baseline standard lab panel and Annual CBC, CMP, Fasting Lipids.

### Antidepressants – SSRIs & SNRIs

Test	Baseline	Annually	As clinically indicated
Blood Pressure	X <sup>1</sup>	X <sup>1</sup>	
CBC	X	X	
CMP	X	X	
EKG <sup>2</sup>			X
Fasting Lipids	X	X	
Weight (Optional: BMI or Waist Circum.)	X	X	

<sup>1</sup>For Venlafaxine only.

<sup>2</sup> Citalopram???

### Antidepressants – TCAs

Test	Baseline	Annually	As clinically indicated
CBC	X	X	
Drug level			X
CMP		X	
EKG <sup>1</sup>	X		X
Fasting Lipids	X	X	
Weight (Optional: BMI or Waist Circum.)	X	X	

<sup>1</sup>Baseline EKG recommended for clients 40 yrs of age or older, or with preexisting cardiac conditions.

**Other Antidepressants:** Baseline standard lab panel and Annual CBC, CMP, Fasting Lipids.

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