

OKLAHOMA DEPARTMENT OF CORRECTIONS  
TB Medication Lab Work and Monitoring

Medication	Tests required	Frequency
INH (isoniazid)	LFT or CMP	At baseline and after 1 and 3 months of therapy has been initiated. At any point where the AST value is three times higher than the baseline AST, then INH needs to be stopped and switched to Rifampin. There is a significant increase of drug-induced hepatotoxicity after 60 - 90 days after initiation of INH.  If offender has documented viral hepatitis, perform at baseline and monthly for the duration of therapy (or give preventive therapy with 120 daily doses of Rifampin).
Rifamycins:  RMP (rifampin), rifabutin and rifapentine	LFT or CMP and CBC	LFT or CMP at baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable.  CBC at baseline and when 1 month therapy has been completed. If either reveals neutropenia and/or thrombocytopenia, repeat CBC monthly until WBC and /or platelet count is normal or stable.
EMB (ethambutol)	Visual acuity and color vision testing	At baseline and monthly for the duration of Ethambutol therapy. Visual acuity should be tested with a Snellen chart. Color vision is best evaluated by using Ishihara plates (although simply determining if offender has good <b>red-green discrimination</b> can be done if Ishihara plates are not available.
PZA (pyrazinamide)	LFT or CMP	LFT or CMP baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable.
Ethionamide	LFT or CMP and TSH (thyroid stimulating hormone)	LFT or CMP at baseline and when 1 month therapy has been completed. If either reveals elevated liver enzymes and/or bilirubin, repeat LFT or CMP monthly until normal or stable. TSH at baseline and monthly for the duration of therapy.
Aminoglycosides:  Streptomycin. Amikacin, Capreomycin, Kanamycin	Audiogram  Renal function tests (serum creatinine and creatinine clearance)  Clinical Vestibular Testing (Romberg test, heel-to-toe walking)	All tests should be performed at baseline and monthly for the duration of aminoglycoside therapy.
Anticonvulsants (phenytoin or carbamazepine) while taking INH and/or rifampin	Serum drug levels	Baseline and monthly phenytoin or carbamazepine levels until stability has been documented.
Orally- administered anticoagulants (warfarin or coumadin) while taking INH and/or rifampin	Prothrombin time (PT) and International Normalized Ratio (INR)	Baseline and monthly PT and INR until stability has been documented.