| Analytes | Drugs |
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| ABO | Dextran or I.V contrast media. |
| ACTH, plasma. | Corticosteroids, estrogens, calcium gluconate, amphetamines,spiranolactone,ethanol,and lithium carbonate. |
| Activated partial thromboplastin time. | Anticoagulant. |
| Alanin aminotransferase(ALT), serum. | Barbiturates,grisofulvin,isoniazide, nitrofurantoin, salicylates,tetracycline, para-aminosalicylic scid morphin, codeine,meperidine,lead, and carbon tetrachloride. |
| Aldosterone,serum. | Methyldopa,diuretics,corticosteroids, potassium,licorice,and propranolol. |
| Aldosterone,urine. | Antihypertensive,diuretics, corticosteroids. |
| Alkaline phosphatase,serum. | Vit.D,barbiturate,oral contraceptives, isoniazide, methyldopa, phenothiazines, phenytoin, rifampicin,halothane ,and clofibrate. |
| Alpha 1-antitrypsin,serum. | Oral contraceptives. |
| Ammonia ,plasma. | Acetazolamide,anribiotics.thiazides,ammonia saltsfurosamide,Lactulose, neomycin,and kanamycin. |
| Amylase, serum. | Ethyl alcohol, aminosalicylic acid, asparginase,azathioprine,corticosteroids,cyprohaptatidine, narcotic analgesic, oral contraceptives.rifampicin,sulfasalazine,thiazide,and loop dirutics. |
| Androstenedion | Steroids, and pituitary hormones |
| Anion cap | Dirutics,lithium ,chlorpropamide,vasopressin, corticosteroids, antihypertensives, salicylates,paraldehyde,methicillin,dimercaprol,ammoniu m chloride,acetazolamide,ethylene glycol,methyl alcohol,ACTH,cortisone ,mercurial or chorothiazide dirutics,licorice, thiazides,furosamide,ethacrynic acid,bicarbonate or I.V. infusion 5% dextrose, iodine,and magnesium containing antacids. |
| Antidiuretics hormone, serum. | Morphin, anesthetics,estrogens,oxytocin,chlorpropamide,vincristine ,carbamazepine,cyclophosphamide,chlorthiazide,and alcohol. |
| Antinulear antibodies | Isoniazide, hydrazine,procainamide, para-aminosalicylic |

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| | acid, chlorpromazine,clofibrate,phenytoin, griseofulvin,ethasuximide,gold salts,methyldopa, oral contraceptives,pencillin, propylthiouracil,phenylbutazone,methysergide,streptomycin, sulfonamides,tetracylines,mephenytoin,quinidine, primidone,reserpine,and trimethadione. |
| Antisterptolysin-o-test streptococcal antibodies,serum. | Antiboitic and corticosteroids. |
| Antithrombin lll test | Anticoagulants, anabolic steroids,warfarin, heparin, and estrogen-containing oral contraceptives. |
| Arterial blood gas analysis | Bicarbonate, ethacrynic acid,hydrocortisone,metolazone,prednisone,thiazide,acetazolamide,methicillin,nitrofurantoin,and tetracyuline. |
| Aspartate aminotransferase(AST), serum | Chlorpropamide,opiates,methyldopa, erythromycin,sulfonamides,pyridoxine,dicumarol, antituberculosis agents,acetaminophen,salicylates and vit.A. |
| Aterial naturetic factor, plasma | Beta-blocking agents, calcium antagonists,diuretics,vasodilators and cardiac glycosides |
| Bilirubin, serum | Allopurinol, antibiotics, antineoplastic agents,barbiturates,caffeine,steroids,sulfonamides,sulfonylureas,propylthiouracil,theophyllin,indomethacin and hepatotxic drugs. |
| Bilirubin, urine | Large amount of ascorbic acid and nitrite,phenazopyridine,chlorpromazine and acetophenazine maleate. |
| Bleeding time | Sulfonamide, thiazides,antineoplastics,anticoagulants,nonsteroidal anti-inflammatory drugs,aspirin,aspirin compounds and some nonnarcotic analgesics. |
| Blood urea nitrogen | Aminoglycosides, amphotericin B,methicillin,and chloramphenicol. |
| Calcium and phosphates, urine | Thiazide,corticosteroids,sodium phosphate,calcitonin,vit.D, and parathyroid hormone. |
| Calcium, serum | Vit.D, or its derivitives, androgens, calciferol,progestins-estrogens,thiazide,laxatives, acetazolamide, corticosteroids, and mithramycin. |
| Catecholamines,plasma. | Epinephrine,levodopa,amphetamines,phenothiazines(chlorpromazine),sympathomimmetics,decongestants, |

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| | antidepressants,and reserpine. |
| Catecholamines,urine. | Caffeine,insulin,nitroglycerine,aminophylline,ethanol,sympathomimmetics,methyldopa,tricyclic antidepressants,chloralhydrate,quinidine,quinine, tetracycline,B-complex vitamines,isoproterenol,levodpa,monoamine oxidase inhibitors,clonidine,quanethidine,reserpine,iodine containing contrast media,phenothiazines,erythromycin,and methenamine compounds. |
| Ceruloplasmin,serum. | Estrogen,methadone,and phenytoin. |
| Chloride,serum. | Ammonium chloride,cholestyramine,boric acid,oxyphenylbutazone,phenylbutazone,I.V. infusion of sodium chloride,thiazides,furosamide,ethacrynic acid,and bicarbonates or prolonged I.V.infusion of 5% dextrose in water. |
| Cholesterol,total,serum. | Cholestyramine,clofibrate,colestipol,cholchicine, dextrothyroxine,estrogen,dilantin,glucagon,heparin, kanamycin,haloperidol,neomycin,niacin,nitrates,para-aminosalicylic acid,chlortetracycline,ACTH,corticosteroids,androgens,bile salts,epinephrine,chlorpromazine,trifluoperazine,oral contraceptives,salicylates,thiouracils,and trimethadione. |
| Cholinesterase. | Cyclophosphamide,echothiophate iodide,monoamine oxidase inhibitors,succinyl chloride,neostigmine,quinine,quinidine,chloroquine,caffeine,codeine,theophylline,epinephrine,ether,barbiturates, atropine,morphine,codeine,phenothiazines,vitamin K,and folic acid. |
| Complement,serum. | Heparin. |
| Connective tissue disease test panel. | Chlorpromazine,phenytoin,ethosuximide,haydrazine, methyldopa,oral contraceptives,isoniazide,procainamide,and trimethadone. |
| Coombs' antiglobulin test. | Quinidine,methyldopa,cephalosporins,sulfonamides, chlorpromazine,diphenylhydantoin,dipyrone,mefenamic acid,melphalan,pencillin,procainamide,rifampin, streptomycin,and tetracyclines. |
| Copper reduction test. | Cephalosporins,nalixidic acid,ascorbic acid,probencid,and reducing substances. |

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| Copper,urine. | D-penicillamine. |
| Cortisol,plasma. | Estrogens,oral contraceptives,androgens and phenytoin. |
| Cortisol,urine free. | Steroid,reserpine,phenothiazines,morphine,and amphetamines. |
| C-reactive protein. | Oral contraceptives. |
| Creatine,serum. | Testosterone. |
| Creatine phosphokinase(CPK) | Halothane , succinylcholine,alcohol,lithium,and aminocaproic acid. |
| Creatinine clearance. | Amphotericin B,thiazide,furosemide,and aminoglycosides. |
| Creatinine ,serum. | Ascorbic acid,barbiturates,diuretics,sulphobromophthalein,and phenosulfonphthalein. |
| Creatinine,urine. | Corticosteroids,gentamicin,tetracylines,diuretics and amphotericin B. |
| Crossmatching. | Dextran or I.V.contrast media. |
| Cystine,urine. | Penicillamine. |
| Delta-aminolevulinic acid,urine. | Barbiturates,grisofulvin and vitamin E. |
| Dexamethazone suppression test. | Barbiturates or phenytoin. |
| Digitalis glycosides,serum. | Aminosalicylic acid,antacids,cholestyramine,colestipol,kaolin-protein,neomycine,phenylbutazone,quinidine,verampil, spiranolactone. |
| D-xylose absorption. | Aspirin,and indomethacin. |
| Estriol. | Sterod hormones,methenamine mandelate,phenothiazines,ampicillin,phenazopyridine hydrochloride,tetracyclines,cascara segarada,senna,phenolphalein,hydrochlorothiazide, and meprobamate. |
| Estrogens,serum. | Oral contraceptives,clomiphene and steroid or pituitary-based hormones. |
| Estrogens,total,urine. | Estrogens,progesterone,corticosteroids,methanamine mandelate,phenazopyridine hydrochloride,phenazothiazines,tetracycline, meprobamate,senna,cascara segarada, and hydrochlorthiazide. |
| Ethanol,blood. | Chloralhydrate,glutethimide,and ethanol with barbiturates. |
| Febrile agglutination tests. | Antibiotics. |

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| Fecal occult blood. | Iron,bromides,rauwlfia derivatives,indomethacin,cholchicine,phenylbutazone, steroids,and ascorbic acid (Vit.C). |
| Fibrin split products (FSP). | Heparin,urokinase,barbiturates. |
| Folic acid,serum. | Alcohol,phenytoin and pyrimethamine. |
| Follicle-stimulating hormone(FSH),serum. | Estrogens,progesterone, and phenothiazines. |
| Free fatty acids. | Alcohol,amphetamines,ACTH,cortisone,epinephrine,norep enphrine,growth hormone,thyroid stimulating hormone,thyroxine,chlorpromazine,isoproterenol, reserpine,tolbutamide,caffeine,aspirin,clofibrate,glucose, insulin,neomycine,and streptozocin. |
| Gastric culture. | Antibiotics(tetracycline). |
| Gastrin,serum. | Glycine,calcium carbonate,thiazide,furosemide,triamterene,contraceptives ,benzodiazepines,phenytoin,phenothiazines,lithium, epeniphrine,arginine,phenolphthalein,dextrothyroxine, dizoxide,nicotinic acid,corticosteroids,I.V.glucose infusion,ethacrynic acid,salicylates,antitubercular agents,sulfonylurease,sulfonamides,ethanol,clofibrate, monoamine oxidase inhibitors,insulin,and oral hypoglycemic agents. |
| Glucose oxidase test. | Levodopa,ascorbic acid,phenazopyridine, methyldopa,salicylates and tetracyclines. |
| Glucose tolerance test, oral. | Chlorthalidone,thiazide,furosemide,triamterene,oral contraceptives,benzodiazepines,phenytoin,phenothiazines ,lithium,epinephrine,arginine,phenolphthalein, dextrothyroxine,diazoxide,nicotineic acid,corticosteroids,I.V.glucose infusions,ethacrynic acid,β-adrenergic blockers,amphetamines,ethanol,clofibrate,insulin,oral hypoglycemic,and momnoamine oxidase inhibitors. |
| Glucose,2hour postprandial,plasma. | Chlorthalidone,thiazide,furosemide,triamterene,oral contraceptives,benzodiazepines,phenytoin,phenothiazines ,lithium,epinephrine,arginine,phenolphthalein,dextrothyro xine,diazoxide,nicotineic acid,corticosteroids,I.V.glucose infusions,ethacrynic acid,β-adrenergic blockers,amphetamines,ethanol,clofibrate,insulin,oral hypoglycemic,and momnoamine oxidase inhibitors. |
| Growth hormone,serum. | Arginine,levodopa,insulin,β- |

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| | blockers(propranolol),estrogens,phenothiazines(chlorpromazine) and corticosteroids. |
| Growth hormone,suppression test. | Corticosteroids,phenothiazines(chlorpromazine),arginine, levodopa,amphetamines,glycogen,niacin and estrogens. |
| Haptoglobin,serum. | Steroids,and androgens. |
| Heinz bodies. | Antimalarials,furazolidone,nitrofurantoin,phenacetin, procarbazine,and sulfonamides. |
| Hemoglobins,unstable. | Antimalarials,furazolidone,nitrofurantoin,phenacetin,procarbazine,and sulfon amides. |
| Hemoglobin,urine. | Vitamine C,nephrotoxic drugs(amphotericin B) and anticaogulants(warfarin). |
| Heterophil agglutination test. | Opiates. |
| Homovanillic acid,urine. | Monoamine oxidase inhibitors,aspirin,methocarbamol,and levodopa. |
| Human chorionic gonadotrhpin(hCG),serum. | Heparin. |
| Human chorionic gonadotrophin(hCG),urine. | Phenothiazines. |
| 17-Hydroxycorticosteroids, urine. | Meorobamate,phenothiazines,spiranolactone,ascorbic acid,chloralhydrate,glutethimide,chlordiazepoxide, penicillin G,hydroxyzine,quinidine quinine,iodides,methenamine,hydralazine,phenytoin,thiazide,ethinamate,nalixidic acid and reserpine. |
| 5-Hydroxyindloacetic acid(5-HIAA),urine. | Mephalan,reserpine,flurouracil,ethanol,tricyclic antidepressants,monoamine oxidase inhibitors,methyldopa,isoniazide,methenamine compounds,phenothiazines,salicylates,guaifenesin, mephensin,methocarbamal,and acetaminophen. |
| Hydroxyproline,urine. | Ascorbic acid,vitamine D,aspirin,glucocorticosteroids,calcitonin,and mithramycin. |
| Immunoglobulins G,A, and M. | Methtroxate,aminophenazone,anticonvulsants,aspirginase ,hydralazine,hydantoin derivatives,oral contraceptives, phenylbutazone,dextrans, phenytoin,methyl prednisolone and methadone. |
| Insulin ,serum. | ACTH,steroids,thyroid hormones,epinephrine and insulin. |
| Insulin tolerance test. | Steroids,glucocorticoids,β-blockers,estrogens,calcium gluconate,amphetamines,methamphetamines, spiranolactone and ethanol. |
| Intrinsic factor blocking | Methotrexate. |

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| antibody,serum. | |
| Iron,serum,and total iron-binding capacity. | Chloramphenicol,oral contraceptives,ACTH,and Iron supplements. |
| 17-ketogenic steroids,urine. | ACTH,meprobamate,phenothiazines,spiranolactone, penicillin,oleandomycin,hydralazine,estrogens,quinine,reserpine,thiazides,corticosteroid,nalixidic acid,and dexamethasone. |
| Ketone test,urine. | Levodopa,phenazopyridine,sulfobromophthalein. |
| 17-ketosteroids,urine. | Meprobamate,phenothiazines,spiranolactone, oleandomycin,estrogens,penicillin,ethacrynic acid,phenytoin,nalixidic, acid and quinine. |
| Lactose tolerance test,oral. | Thiazide,oral contraceptives,benzodiazepines, Propranolol and insulin. |
| Leucine aminopeptidease | Estrogens,progesterone,and oral contraceptives. |
| Leukoagglutinine test. | I.V. contrast media and dextran. |
| Lipase,serum | Cholinesterase,codeine,meperdine,and morphine. |
| Lipid,fecal. | Azothioprine,bisacodyl,cholestyramine,kanamycin,neomycin,cholchicine,aluminium hydroxide,calcium carbonate,alcohol,potassium chloride,and mineral oil. |
| Lipoprotein-cholesterol fractionation. | Clofibrate,cholestyramine,cholestipol,dextrothyroxine,niacin,probucol,gemfibrazil,oral contraceptives,phenothiazines,estrogens,salicylates,iodine,and vitamine A and D. |
| Lipoprotein phenotyping. | Heparine. |
| Lupus erythromatosus cell preparation. | Isiniazide,hydrazine,procainamide,para-aminosalicylic acid,chlorpromazine,clifibrate,phenytoin,grisofulvin, ethosuximide,gold salts,methyldopa,oral contraceptives,penicillin,propylthiouracil,pheylbutazone,methysergide,streptomycin,sulfonamides,tetracyclines,mephentoin,quinidine,primidone,reserpine,and trimethadione. |
| Lymphocyte transformation tests. | Chemotherapy. |
| Magnesium,serum. | I.V.infusion without magnesium,I.V.calcium gluconate. |
| Magnesium,urine. | Ethacrynic acid,thiazide,aldosterone,magnesium containing antacids. |
| Manganese,serum. | Calcium,phosphorous,estrogens,and glucocorticosteroids. |
| Mysthenia gravis test panel. | Immunosuppressant drug,muscle relaxants,anticoagulants and D-penicillamine. |
| 5'-Nuucleotidase. | Phenothiazines,morphin,mepiridine,and codeine. |
| Para-aminohippuric acid | Diuretics,penicillamine,phenolsulfonphthalein,probencid, |

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| excretion. | salicylates,procaine,sulfonamides. |
| Phenolthiazines,serum. | Antacids,anticholenergics,and barbiturates. |
| Phosphates,serum. | Vitamin D.,I.V.dextrose,phosphate-binding antacids,acetazolamide,insulin, and epinephrine. |
| Phospholipids,plasma. | Clofibrate,antilipemic agents,estrogens,epinephrine, and chlorpromazine. |
| Plasma thrombine time. | Heparin. |
| Plsminogen,plasma. | Oral contraceptives,streptokinase,urokinase. |
| Platelet aggregation. | Aspirin,dipyridamide,caffeine,aminophylline,phenylbutazone,sulfinpyrazine,phenothiazines,antihistamines,anti-inflammatory drugs,and tricyclic antidepressants. |
| Platelet count. | Acetazolamide,acetohexamide,antimony,antineoplastics, brompheniramine maleate,carbamazepine,chloramphenicol,ethacrynic acid,furosamide,gold salts,hydroxychloroquine,indomethacin,isoniazide,mephenytoin,mefenamic acid,methazolamide,methiamazole,methyldopa,oral diazoxide,oxyphenbutazone,penicillamine,penicillin,phenylbutazone,phenytoin,pyrimethamine,quinidine sulphate,quiunine,salicylates,streptomycin,sulfonamides, thiazide,tricyclic antidepressants,and heparin. |
| Platelet survival. | Anticonvulsants,carbamates,chloramphenicol, antineoplastic agents,isoniazid,pyrazolenes,sulfanomides,sulphonylureas e,streptomycin,aspirin,benzenes,DDT,digitoxin,gold salts,heparin,quinidine,quinine,and thiazides. |
| Porphyrins,urine. | Grisofulvin,tetracycline,barbiturates,chloralhydrate, chlorpropamide,sulfonamides,meprobamate,and chlordiazepoxide. |
| Potassium,serum. | Potassium infusion,spiranolactone,penicillin Gpotassium therapy,amphotericn B,methicillin,tetracyclines,insulin and glucose,thiazides,and I.V. infusions without potassium. |
| Potassium,urine | Amomonium chloride,and thiazidee. |
| Pregnanediol,urine. | Methanamine mandelate,methenamine hippurate,ACTH,and oral contraceptives. |
| Progesterone,plasma. | Progesterone,estrogen, and adrenocortical therapy. |
| Prolactin. | Ethanol,haloperidol,morphine,metallopramide,methyldopa,estrogens,phenothiazines,tricyclic |

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| | antidepressants,procainamide derivatives,reserpine,apomorphine,ergot alkaloids,and levodopa. |
| Prostate-specific antigen. | Cyclophosphamide,diethylstilbosterol, and methotrexate. |
| Protein C,plasma. | Anticoagulant therapy. |
| Protein electrophoresis,serum. | Sulphobromophthalein(contrast dye). |
| Protein,urine. | Tolbutamide,para-aminosalicylic acid,acetazolamide,sodium bicarbonate,penicillin,sulfonamides,iodine contrast media , and cephalosporins. |
| Prothrombine consumption time (PCT) | Anticoagulant therapy. |
| Prothrombin time(PT). | ACTH,alcohol,anabolic steroids,cholestyramine resin,heparin I.V.,indomethacin,mefenamic acid,para-amnosalicylic acid,methimazole,oxyphenylbutazone,phenylbutazone, phenytoin,propylthiouracil,quinidine,quinine,thyroid hormones,vitamine A,antihistamines,chloralhydrate,corticosteroids,digitalis,diuretics,glutethimide,grisofulvin,progestin-estrogen combinations,pyrazinamide,vitamin K,caffeine,theoephylline,antibiotics,barbiturates,hydroxyzine,sulfonamides,salicylates,mineral oil ad clofibrate. |
| Radioactive iodine uptake test. | Iodine preparation including iodized salt,cough syrups,and some vitamins,thyroid hormones,thyroid hormone antagonists,salicylates,penicillin,antihistamines, anticoagulants,corticosteroids,phenylbutazone,and phenothiazines. |
| Renin activity,plasma. | Diuretics therapy,oral contraceptives,antihypertensive agents,vasodilators,licorice,salt-retaining steroid therapy,and antidiuretics. |
| Reticulocyte count. | Azothioprine,chloramphenicol,diacetinomycin,methotrexate,ACTH,antimalarials.antipyretics,furazolidone,levodopa,and sulfonamide. |
| Rh typing. | Dextran or I.V.contrast media,methyldopa,cephalosporins and levodopa. |
| Salicylates,serum. | Anacids,and ammonium chloride. |
| Sedative and hypnotics. | Ethanol . |
| Sodium and chloride,urine. | Ammonium chloride,potassium chloride,sodium |

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| | bicarbonate,thiazide,and steroids. |
| Sodium,serum. | Diuretics,lithium,chlorpropamide,vasopressin,conrticosteroids,methyldopa,hydralazine,and reserpine. |
| Stool culture. | Antibiotics. |
| Testosterone. | Exogenous estrogens or androgens. |
| Thyroid-stimulating hormone(TSH),neonatal. | Corticosteroids,T3,T4,lithium carbonate,potassium iodide,topical resorcinol,and TSH injection. |
| Thyroid-stimulating immunoglobulin,serum. | Radio active iodine. |
| Thyroid-binding globulin(TBG),serum. | Oral contraceptives,phenothiazines,androgens,prednisone, phenytoin,and salicylates. |
| Tolbutamide tolerance test. | Salicylates,chloramphenicol,phenylbutazone,monoamine oxidase inhibitors,and sulfonamides. |
| Triglyceride,serum. | Alcohol,antilipemics,cholestyramine,colestiprol,corticosteroids,oral contraceptives,estrogens,ethyl alcohol,furosamide,micronazoles,clofibrate, dextroythyroxine,heparin,sulfonylurease,norethindrones, androgens,ascorbic acid,gemfibrazil,niacin,and probucol. |
| Triiodothyronine resin uptake (T3RU). | Phenylbutazone,phenytoin,aspirin,anabolic steroids,anticoagulants(heparin),thyroxine,T3,oral contraceptives. |
| Triiodothyroxine(T3),serum. | Steroids,clofibrate,and propranolol. |
| Tuberculin skin-test. | Corticosteroids,and immunosuppressants. |
| Tubular reabsorbed . | Amphotericin B,and chlorothiazide. |
| Phosphate,plasma and urine. | furosamide, and gentamycin. |
| Urea clearance. | Caffeine,epinephrine,antidiuretic hormone,corticosteroids,amphotericin B,thiazide and streptomycin. |
| Uric acid,serum. | Loop diuretics,ethambutol,vincridtine,pyrazinamide,thiazide,salicylates.acetaminophen,ascorbic acid,levodpoa,phenacetin,aspirin,cinchophen,adrenocorticotrophic hormone(ACTH),and phenothiazines. |
| Uric acid,serum. | Benzthiazide,furosamide,ethacrynic acid,pyrazinamide,salicylates,phenylbutazone,probencid, and allopurinol. |
| Urine concentration and | Diuretics, and nephrotoxic drugs. |

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| dilution tests. | |
| Uroblinogen,fecal. | Broad spectrum antibiotics,sulfonamides,and salicylates. |
| Urobilinogen,urine. | Para-aminosalicylic acid,phenazopyridine,procaine,mandelate,phenothiazines, sulfonamides,acetazolamide and sodium bicarbonate. |
| Vanillylmandelic acid,urine. | Epeniphrine,norepinephrine,lithium carbonate,methocarbamol,chlorpromazine,huanethidine,reserpine,mono-amine oxidase inhibitors,clonidine,levodopa,and salicylates. |
| Vitamin A,serum. | Mineral oil, and oral contraceptives. |
| Vitamin D3,serum. | Anticonvulsants,and corticosteroids. |
| White blood cell (WBC) count. | Antineoplastic agents,anti-infective,such as metronidazole,flucytosine,anticonvulsants,such as phenytoin derivatives,thyroid hormone antagonists,and non-steroidal anti-inflammatories,such as indomethacin. |
| Zinc,serum. | Zinc-chelating agents such as penicillin and corticosteroids. |
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