



110 West Cliff Avenue
Spokane, WA 99204

509.755.8600
800.541.7891

TEST CHANGE ALERT #387

February 02, 2012

Summary Of Changes

TestCode(s)	Test Description
ADH (AVH)	.....ARGININE VASOPRESSIN HORMONE (Specimen Requirements)
AMIO	.....AMIODARONE & METABOLITE (Description, Specimen Requirements)
ARTISU	.....ARSENIC TOT INORG, UR (SPECIATED) (Specimen Requirements)
BROMIDE (BROMID)	.....BROMIDES (Specimen Requirements)
BUPROPION (BUPRO)	.....BUPROPION (Specimen Requirements)
BUT (BUTALB)	.....BUTALBITAL (FIORINAL) (Specimen Requirements)
CALPFC	.....CALPROTECTIN, FECAL [ARUP] (Specimen Requirements)
CAREPO	.....CARBAMAZEPINE EPOXIDE & TOTAL (Specimen Requirements)
CELONTIN (MSUX)	METHSUXIMIDE (CELONTIN) AND NORMETHSUXIMIDE (Description, Specimen Requirements)
CHEP	.....PSEUDOCHELINESTERASE, TOTAL (Specimen Requirements)
CHLOR	.....CHLORAMPHENICOL (Specimen Requirements)
CHYSBF	.....CHYLOMICRON SCREEN, BODY FLUID (Specimen Requirements)
CLOMIP	.....CLOMIPRAMINE & METABOLITE (Specimen Requirements)
CLON	.....CLONAZEPAM (CLONOPIN) (Specimen Requirements)
DALMANE-Q (FLURAZ)	.....FLURAZEPAM (Specimen Requirements)
DGTXN	.....DIGITOXIN (Specimen Requirements)
DISOP	.....DISOPYRAMIDE (Specimen Requirements)
ETHO	.....ETHOSUXIMIDE (Specimen Requirements)
ETHOTOIN (ETHOT)	.....ETHOTOIN (PEGANONE) (Specimen Requirements)
FCORTS	.....CORTISOL, SERUM FREE (Compliance)
FLUOR.EXP.U (FLUUR)	.....FLUORIDE, URINE (Specimen Requirements)
FLUOX	.....FLUOXETINE & NORFLUOXETINE (Specimen Requirements)
FLUPHENAZINE (FLUPH)	.....FLUPHENAZINE (Specimen Requirements)
FORM-U (FAUQ)	.....FORMIC ACID, URINE (Specimen Requirements)
GABAP	.....GABAPENTIN (Specimen Requirements)
HBYGA	.....HEPATITIS B VIRUS GENOTYPE (Specimen Requirements)
HVY (HVYMTL)	.....HEAVY METALS-QUANT (Specimen Requirements)
IBF	.....INTRINSIC FACTOR BLOCKING AB (Specimen Requirements)
IBU	.....IBUPROFEN (MOTRIN) (Specimen Requirements)
IGFB3A	.....IGF BINDING PROTEIN 3 (Specimen Requirements)
KRASRF	.....KRAS SEQUENCE REFLEX/BRAF (CPT Coding)
LIB LIBRIUM (CHLORDIAZEPOXIDE) AND NORDIAZEPAM	(Specimen Requirements and Description)
LOR	.....LORAZEPAM (Specimen Requirements)
MEBARAL (MEPHOB)	.....MEPHOBARBITAL (Specimen Requirements)
MELURS	.....MELANIN, URINE (Specimen Requirements)

MEPROBAMATE (CARMEP)MEPROBAMATE & CARISOPRODOL (Specimen Requirements)
MERCMERCURY (BLOOD) (Specimen Requirements)
METMB METHADONE & METABOLITE, CONFIRMATION/QUANTATION, SERUM OR PLASMA (Delete)
MEXIMEXILETINE (MEXITIL) (Method, Specimen Requirements)
NAVANE (THIOTH)THIOTHIXENE (Method, Specimen Requirements)
NMP22NMP 22 (Specimen Requirements)
OLANZOLANZAPINE (Method, Specimen Requirements)
PANEFPANCREATIC ELASTASE, FECAL (Specimen Requirements, Reference Range)
PENTOPENTOBARBITAL (Specimen Requirements)
PNEUAB STREPTOCOCCUS PHEUMONIAE ABS, IGG (14 SEROTYPES) (Specimen Requirements,
Reference Range Info)
PROPAPENONE (PROPAF)PROPAPENONE (Specimen Requirements)
PROT (PROTRI)PROTRIPTYLINE (VIVACTIL) (Specimen Requirements)
RFAGM RHEUMATOID FACTORS, IGM, IGG, IGA BY ELISA (Specimen Requirements, Reference
Range)
SULFASULFONAMIDES (SULFA) (Specimen Requirements)
TBGTHYROXINE BINDING GLOBULIN (Specimen Requirements)
THOR (CHLORP)CHLORPROMAZINE (THORAZINE) (Specimen Requirements)
TRAN (CLORAZ)CLORAZEPATE(Specimen Requirements)
TRAZTRAZODONE (DESYREL) (Specimen Requirements)
TRYPSN (TRYP)TRYPSIN-LIKE IMMUNOREACTIVITY (Specimen Requirements)
UMB13CORDSTAT13 DRUG SCREEN (REFLEXIVE) (New)
VALIUM (DIAZ)DIAZEPAM & NORDIAZEPAM (Description, Specimen Requirements)
XANAX (ALPAZ)ALPRAZOLAM (XANAX) (Specimen Requirements)
ZOLOFT (KRASRF)KRAS SEQUENCE REFLEX/BRAF (CPT Coding)



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February 02, 2012

The following tables reflect revisions only; other existing data remain unchanged.

ADH

AVH

ARGININE VASOPRESSIN HORMONE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>6 mL frozen EDTA or K2EDTA plasma (lavender or pink top tube). Separate plasma ASAP or within 2 hours of collection and put in separate plastic tube and freeze immediately.</i> Store and transport frozen. This is a critical frozen. Separate samples must be submitted when multiple tests are ordered.
Comments	<i>1) Min Amt: 2.5 mL. 2) Unacceptable conditions: non-frozen samples. 3) Stability: RT-2 hours, Refrigerated-unstable, Frozen- 1 month. 4) ARUP# 0070027.</i>

AMIO

AMIO

AMIODARONE & METABOLITE (Description, Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA), within 2 hours of collection Separate serum or plasma from cells and put in separate plastic tube. Store and transport refrigerated. Protect from light within 8 hours of collection.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-1 month, Refrigerated-6 weeks, Frozen-6 weeks. 4) ARUP# 0090161.</i>

ARTISU

ARTISU

ARSENIC TOT INORG, UR (SPECIATED)
(Specimen Requirements)

order code

flexilab code

Effective	02/20/2012
Specimen Requirements	<i>4 mL urine, collected at the end of shift, end of work week in a trace metal free or acid washed plastic container. Unpreserved urine refrigerated should be analyzed within 1 week of collection.</i> Store & transport refrigerated. Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.
Comments	<i>1) Min Amt: 1.9 mL. 2) Stability: RT-1 week, Refrigerated-1 week, Frozen-28 days. 3) Other acceptable specimens: trace metal free Hydrochloric acid or Nitric acid (0.1 mL of 12M acid/10 mL urine) preserved specimens. 4) NMS# 0468U.</i>

BROMIDE

BROMID

BROMIDES (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-1 week, Refrigerated-1 week, Frozen- Indefinitely. 3) ARUP# 0090035.</i>

BUPROPION

order code

BUPRO

flexilab code

BUPROPION (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	2 mL frozen serum (red top tube) or frozen <i>sodium or lithium heparin, EDTA, K2EDTA, K3EDTA plasma (lavender, pink top tube). Separate serum or plasma from cells within 2 hours of collection and freeze. Store & transport frozen. CRITICAL FROZEN. Separate samples must be submitted when multiple tests are ordered.</i>
Comments	<i>1) Min Amt: 1.5 mL. 2) Avoid the use of serum separator tubes & gels. 3) Unacceptable conditions: whole blood, gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution), refrigerated or room temperature. 4) Stability: RT- unacceptable, Refrigerated-unacceptable, Frozen-1 month. 5) ARUP# 0099184.</i>

BUT

order code

BUTALB

flexilab code

BUTALBITAL (FIORINAL) (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or EDTA, K2EDTA, K3EDTA (lavender or pink top tube). Separate serum or plasma from cells within 2 hours of collection and put in a separate plastic tube. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-3 months, Refrigerated-3 months, Frozen-1 year. 4) ARUP# 0090045.</i>

CALPFC

order code

CALPFC

flexilab code

CALPROTECTIN, FECAL [ARUP] (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>5 gms stool in plastic leakproof container. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 1 gm.. 2) Unacceptable Conditions: Stool in media or preservatives. 3)Stability - RT-5 days, Refrigerated-5 days, Frozen- 1 year. 3) ARUP # 0092303</i>

CAREPO

order code

CAREPO

flexilab code

CARBAMAZEPINE EPOXIDE & TOTAL (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube). Separate serum from cells within 2 hours and put in a separate plastic tube. Store and transport refrigerated. Obtain trough specimen after steady-state is achieved (3-5 days). Draw within one hour prior to next dose. The epoxide half-life is 6-10 hours.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-2 days, Refrigerated-6 days, Frozen-1 month. 4) ARUP# 0092211.</i>

CELONTIN

MSUX

METHSUXIMIDE (CELONTIN) AND
NORMETHSUXIMIDE (Description, Specimen
Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate the serum or plasma from the cells within 2 hours of collection and put in separate plastic tube. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-5 days, Refrigerated-2 weeks, Frozen-1 month. 4) ARUP# 0090146.</i>

CHEP

CHEP

PSEUDOCHELINESTERASE, TOTAL (Specimen
Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	0.5 mL serum (red top tube). Allow serum to clot completely at room temperature. <i>Separate serum from cells ASAP or within 2 hours of collection.</i> Sample must be drawn prior to surgery or two days post surgery. Do not draw in recovery room. Store and transport refrigerated. <i>Note: Plasma values are slightly lower than serum.</i>
Comments	<i>1) Min Amt: 0.1 mL. 2) Other acceptable specimens: Serum separator tube, lavender (EDTA), or pink (K2EDTA). . 3) Unacceptable conditions: Whole blood on clot. Hemolyzed specimens. . 4) Stability: Rt-unacceptable, Refrigerated-1 week, Frozen-3 months. 5) ARUP# 0020167.</i>

CHLOR

CHLOR

CHLORAMPHENICOL (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube.</i> Draw peak sample 1.5-3 hours after oral dose or 0.5-1.5 hours after infusion is completed. Draw trough level 0.5 hours before dose. <i>Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-2 days, Refrigerated-3 weeks, Frozen-3 weeks. 5) ARUP# 0090346.</i>

CHYSBF

CHYSBF

CHYLOMICRON SCREEN, BODY FLUID (Specimen
Requirements)

order code

flexilab code

Effective	02/21/2012
Comments	<i>1) Min Amt: 0.2 mL. 2) Unacceptable conditions: Plasma, serum, or whole blood. Frozen specimens. . 3) Stability: RT-unacceptable, Refrigerated-1 week, Frozen- unacceptable. 4) ARUP# 0098457.</i>

CLOMIP

CLOMIP

CLOMIPRAMINE & METABOLITE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	2 mL serum (red top tube). Separate serum from cells <i>within 2 hours of collection</i> & place in separate plastic tube. Store & transport refrigerated. Stability: RT-5 days, Refrigerated-2 weeks, Frozen-6 months.
Comments	<i>1. Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 4) ARUP# 0099336.</i>

CLON

CLON

CLONAZEPAM (CLONOPIN) (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-6 weeks, Refrigerated-6 weeks, Frozen-2 months. 4) ARUP# 0090055.</i>

DALMANE-Q

FLURAZ

FLURAZEPAM (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	1 ml serum (red top tube) or <i>Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from the cells within 2 hours of collection and put in separate plastic tube.</i> Store & transport refrigerated.
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-1 week, Refrigerated-1 week, Frozen-2 months. 4) ARUP# 0090180.</i>

DGTXN

DGTXN

DIGITOXIN (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	1 mL serum (red top tube). <i>Separate serum from cells within 2 hours of collection.</i> Store and transport refrigerated. Indicate name of drug.
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Includes: Digifortis, Digiglusin, Digitora, Digitaline Nativelle, Gitaligin, Myodigin, Crystodigin & Pil-Digis. 5) Stability: RT-5 days, Refrigerated-5 days, Frozen-2 months. 7) ARUP# 0090085.</i>

DISOP

DISOP

DISOPYRAMIDE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	1 mL serum (red top tube). <i>Separate serum from cells within 2 hours of collection and put in separate plastic tube.</i> Store and transport refrigerated.
Comments	<i>1) Min Amt: 0.5 mL 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3)</i>

Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-4 days, Refrigerated-2 months, Frozen, 2 months. 5) ARUP #0090095.

ETHO

order code

ETHO

flexilab code

ETHOSUXIMIDE (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	1 mL serum (red top tube). Separate serum from cells <i>within 2 hours of collection</i> .and put in separate plastic tube. Store and transport refrigerated.
Comments	1) Min Amt: 0.5 mL. 2) <i>Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA).</i> 3) <i>Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).</i> 4) <i>Stability: RT-5 days, Refrigerated-2 weeks, Frozen- 2 months.</i> 5) ARUP# 0090415.

ETHOTOIN

order code

ETHOT

flexilab code

ETHOTOIN (PEGANONE) (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	1 mL serum (red top tube). <i>Separate serum from cells within 2 hours of collection and put in separate plastic tube.</i> Store & transport refrigerated.
Comments	1) <i>Min Amt: 0.5 mL.</i> 2) <i>Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA).</i> 3) <i>Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).</i> 4) <i>Stability: RT-4 days, Refrigerated-4 days, Frozen-3 weeks.</i> 4) ARUP# 0090221.

FCORTS

order code

FCORTS

flexilab code

CORTISOL, SERUM FREE (Compliance)

Effective	02/21/2012
Other	<i>This test was developed and its performance characteristics determined by ARUP Laboratories. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions.</i>

FLUOR.EXP.U

order code

FLUUR

flexilab code

FLUORIDE, URINE (Specimen Requirements)

Effective	02/20/2012
Specimen Requirements	<i>6 mL</i> pre-shift or end of shift urine. Collect in acid washed or trace metal free plastic container. Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection. Store and transport refrigerated.
Comments	1) <i>Min Amt: 2.9 mL.</i> Stability: RT-1 week, Refrigerated-1 week, Frozen-1 month. 2) NMS# 2090U.

FLUOX

FLUOX

FLUOXETINE & NORFLUOXETINE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2 EDTA). Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-12 hours, Refrigerated-5 days, Frozen-1 month. 4) ARUP# 0090450.</i>

FLUPHENAZIN FLUPH E

FLUPHENAZINE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2 EDTA). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Measure at least 2 weeks after initiating treatment. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-2 days, Refrigerated-1 week, Frozen-1 month (Avoid repeat freeze/thaw cycles). 4) ARUP# 0099906.</i>

FORM-U

FAUQ

FORMIC ACID, URINE (Specimen Requirements)

order code

flexilab code

Effective	02/20/2012
Method	<i>GC/ Colorimetry</i>
Specimen Requirements	<i>3 mL urine. Collect prior to the last shift of workweek. Store & transport refrigerated..</i>
Comments	<i>1) Min Amt: 1.4 mL. 2) When Formaldehyde is requested, order Formic Acid. 3) Stability: RT-1 week, Refrigerated-1 week, Frozen-10 months. 4) NMS# 2134U.</i>

GABAP

GABAP

GABAPENTIN (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube). Separate serum from cells within 2 hours of collection and put in separate plastic tube. Store and transport refrigerated .</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). . 4) Stability: RT-5 weeks, Refrigerated-6 weeks, Frozen-2 months. 5) ARUP# 0090057.</i>

HBYGA

HBYGA

HEPATITIS B VIRUS GENOTYPE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>2 mL frozen plasma Lavender (EDTA), pink (K2EDTA), or plasma preparation tube. Separate plasma from cells within 24 hours of collection and put in separate plastic tube and freeze. Store and transport frozen. Ship 650. Note: This test may be unsuccessful if the HBV viral load is less than log 3.0 or 1,000 IU/mL of</i>

	<i>plasma.</i>
Comments	1) Min Amt: 0.5 mL. 2) <i>Unacceptable conditions: heparinized specimens.</i> 3) <i>Stability: RT--on cells 24 hour, 72 hours separated, Refrigerated-1 week, Frozen-6 weeks.</i> 5) ARUP# 2001567.

HVY
order code

HVYMTL
flexilab code

HEAVY METALS-QUANT (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	7 mL <i>K2EDTA whole blood (Na2EDTA royal blue top tube).</i> Store and transport at room temperature in the original tube. See test directory for patient prep suggestions. <i>Lead requisition form may be required (ARUP form #32990-Barcode; #32991-No Barcode). Notification will be given if required.</i>

IBF

IBF

INTRINSIC FACTOR BLOCKING AB (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL frozen serum (SST tube).</i> Separate serum from cells and freeze in separate plastic tube. Store and transport frozen. For patients under- going B12 therapy, wait 48 hours to one week prior to collecting specimen.
Comments	<i>1) Min Amt: 0.15 mL. 2) Unacceptable conditions: Grossly hemolyzed or severely lipemic specimens. 3) Stability: RT-8 hours, Refrigerated-2 days, Frozen- 1 month.</i> 3) ARUP# 0070210.

IBU
order code

IBU
flexilab code

IBUPROFEN (MOTRIN) (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	1 mL serum (red top tube) drawn 1 hour after dosing. Separate serum from cells <i>within 2 hours of collection</i> and place in separate plastic tube. Store and transport refrigerated.
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2 EDTA). 3) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).</i> 4) Stability: RT-5 days, Refrigerated-2 weeks, Frozen-6 months. 5) ARUP# 90176.

IGFB3A
order code

IGFB3A
flexilab code

IGF BINDING PROTEIN 3 (Specimen Requirements)

Effective	02/21/2012
Comments	1) Min Amt: 0.3 mL. 2) Other acceptable specimens: heparinized plasma (green top tube). 3) <i>Unacceptable conditions: Tissue or urine. Grossly hemolyzed or lipemic samples.</i> 4) Stability: <i>RT-24 hours, Refrigerated-1 week, Frozen-1 year.</i> 5) ARUP# 0070060.

KRASRF
order code

KRASRF
flexilab code

KRAS SEQUENCE REFLEX/BRAF (CPT Coding)

Effective	2/28/2012
CPT4	83898, 83904 x 2, 83907, 83909 x 2, 83912, 88387, 83891, 88363

LIB**LIB**LIBRIUM (CHLORDIAZEPOXIDE) AND
NORDIAZEPAM (Specimen Requirements and
Description)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL frozen serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection and freeze and put in a separate plastic tube and freeze. Store & transport frozen.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-4 hours, Refrigerated-1 day, Frozen-5 days. 4) ARUP# 0090148.</i>

LOR**LOR**

LORAZEPAM (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-12 hours, Refrigerated-5 days, Frozen-2 weeks. 4) ARUP# 0090181.</i>

MEBARAL**MEPHOB**

MEPHOBARBITAL (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Method	Quantitative Gas Chromatography-Mass Spectrometry
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from the cells within 2 hours of collection. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-1 day, Refrigerated-10 days, Frozen-10 days. 5) ARUP# 0090231.</i>

MELURS**MELURS**

MELANIN, URINE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>4 mL frozen aliquot of a well-mixed random urine collection. This is a critical frozen specimen. Separate samples must be submitted when multiple tests are ordered. Protect from light at all times. Store and transport frozen.</i>
Comments	<i>1) Min Amt: 1 mL. 2) Unacceptable conditions: refrigerated or ambient samples and samples exposed to light. 3) Stability: RT-unacceptable, Refrigerated-unacceptable, Frozen-1 week. 4) ARUP# 0020226.</i>

MEPROBAMAT CARMEP

E
order code

flexilab code

MEPROBAMATE & CARISOPRODOL (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD). 3) Stability: RT-1 week, Refrigerated-1 month, Frozen-3 months. 4) ARUP# 0090600.</i>

MERC

order code

MERC

flexilab code

MERCURY (BLOOD) (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	7 mL K2EDTA whole blood (K2EDTA royal blue top tube). Store and transport at room temperature. <i>Patient Preparation: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours.</i>
Comments	<i>1) Min Amt: 1 mL. 2) Unacceptable conditions: heparin anticoagulant. 3) Other acceptable specimens: NA2EDTA whole blood (NA2EDTA royal blue top tube). 4) Stability: Mercury is volatile; concentration may reduce after 7 days or more storage. 5) ARUP# 99305.</i>

METMB

order code

METMB

flexilab code

METHADONE & METABOLITE, CONFIRMATION/QUANTATION, SERUM OR PLASMA (Delete)

Effective	02/21/2012
Delete	<i>This test is being discontinued.</i>

MEXI

order code

MEXI

flexilab code

MEXILETINE (MEXITIL) (Method, Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2). 3) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-2 days, Refrigerated-5 days, Frozen-2 months. 5) ARUP# 0090276.</i>

NAVANE
order code

THIOTH
flexilab code

THIOTHIXENE (Method, Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or plasma from Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum from cells within 2 hours of collection. & put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-24 hours, Refrigerated-5 days, Frozen-1 month (avoid freeze /thaw cycles). 4) ARUP# 0099904.</i>

NMP22
order code

NMP22
flexilab code

NMP 22 (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>5 mL frozen stabilized urine. Patient Preparation: Testing with the MatriTech NMP22® should not be performed on patients who have had a total cystectomy or an invasive procedure, such as cystoscopy or catheterization of the urethra, within five days. Collect a single void of urine between midnight and noon. Immediately following collection, add urine to NMP22 urine stabilizer vial and freeze. Stabilized urine should be blue/green in color. Store and transport frozen.</i>

OLANZ
order code

OLANZ
flexilab code

OLANZAPINE (Method, Specimen Requirements)

Effective	02/21/2012
Method	Quantitative Liquid Chromatography-Tandem Mass Spectrometry
Specimen Requirements	<i>2 mL frozen serum (red top tube) . Separate serum or plasma from cells within 2 hours of collection. and put in separate plastic tube and freeze. CRITICAL FROZEN. Separate samples must be submitted when multiple tests are ordered. Store and transport frozen.</i>
Comments	<i>1) Min Amt: 1 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable Conditions: : Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-unacceptable, Refrigerated-unacceptable, Frozen-2 weeks. 5) ARUP# OO98833.</i>

PANEF
order code

PANEF
flexilab code

PANCREATIC ELASTASE, FECAL (Specimen Requirements, Reference Range)

Effective	02/21/2012																												
Specimen Requirements	<i>5 grams</i> frozen stool from a random collection. Put in leakproof container and freeze immediately. Store and transport frozen.																												
Comments	<i>1) Min Amt: 1 gram. 2) Unacceptable conditions: Stool in media or preservative. 3) Stability: RT-4 hours, Refrigerated-3 days, Frozen-1 year. 3) ARUP# 0080526.</i>																												
Reference Ranges	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><i>Pancreatic Elastase, Feces</i></td> <td style="width: 30%;"><i>201 or greater</i></td> <td style="width: 30%;"><i>Normal</i></td> <td style="width: 10%;"><i>ug/g</i></td> </tr> <tr> <td></td> <td>100-200</td> <td>Moderate to</td> <td></td> </tr> <tr> <td></td> <td>mild pan-</td> <td>creatic</td> <td></td> </tr> <tr> <td></td> <td>insufficiency.</td> <td>Severe</td> <td></td> </tr> <tr> <td></td> <td>99 or less</td> <td></td> <td></td> </tr> <tr> <td></td> <td>exocrine</td> <td></td> <td></td> </tr> <tr> <td></td> <td>insufficiency.</td> <td></td> <td></td> </tr> </table>	<i>Pancreatic Elastase, Feces</i>	<i>201 or greater</i>	<i>Normal</i>	<i>ug/g</i>		100-200	Moderate to			mild pan-	creatic			insufficiency.	Severe			99 or less				exocrine				insufficiency.		
<i>Pancreatic Elastase, Feces</i>	<i>201 or greater</i>	<i>Normal</i>	<i>ug/g</i>																										
	100-200	Moderate to																											
	mild pan-	creatic																											
	insufficiency.	Severe																											
	99 or less																												
	exocrine																												
	insufficiency.																												

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PENTO

order code

PENTO

flexilab code

PENTOBARBITAL (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (plain red top tube). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-3 months, Refrigerated-3 months, Frozen-1 year. 6) ARUP# 0090225.</i>

PNEUAB

order code

PNEUAB

flexilab code

STREPTOCOCCUS PHEUMONIAE ABS, IGG (14 SEROTYPES) (Specimen Requirements, Reference Range Info)

Effective	02/21/2012
Specimen Requirements	1.5 mL serum (red top tube). Separate serum from cells ASAP or <i>within 2 hours collection</i> and place in separate plastic tube. Store & transport refrigerated. If pre & post samples are collected, draw the post-immunization vaccine sample 30 days post- vaccination. Store the prevaccine samples frozen and submit both samples together refrigerated. Clearly indicate the pre and post samples. <i>Pre and post samples can be submitted together or separately for testing. if shipped separately, must be received within 60 days of pre-immunization specimen.</i>
Comments	<i>1) Min Amt: 0.25 mL. 2) Unacceptable specimens: plasma, severely lipemic, contaminated or hemolyzed samples and other body fluids. Avoid repeated freeze/thaw cycles. 3) Stability: RT-2 days, Refrigerated-2 weeks, Frozen- 1 year. 4) ARUP# 0050725.</i>

PROPAFENON PROPAF

order code

flexilab code

PROPAFENONE (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-4 hours, Refrigerated-1 month, Frozen-1 month. 5) ARUP# 0090186.</i>

PROT

order code

PROTRI

flexilab code

PROTRIPTYLINE (VIVACTIL) (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from the cells within 2 hours of collection and put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or</i>

yellow (SPS or ACD solution). 3) Stability: RT-5 days, Refrigerated-5 days, Frozen-6 months. 5) ARUP# 0090106.

RFAGM

RFAGM

RHEUMATOID FACTORS, IGM, IGG, IGA BY ELISA
(Specimen Requirements, Reference Range)

order code

flexilab code

Effective	02/21/2012		
Specimen Requirements	<i>0.5 mL serum (SST tube). Separate serum from cells ASAP or within 2 hours of collection and put in separate plastic tube. Store and transport refrigerated.</i>		
Comments	<i>1) Min Amt: 0.25 mL. 2) Unacceptable conditions: contaminated, hemolyzed, lor ipemic specimens. 3) Stability: RT-2 days, Refrigerated- 2 weeks, Frozen-1 year (ravoid repeated freeze/thaw cycles) . 4) ARUP# 0051298.</i>		
Reference Ranges	<i>Rheumatoid Factor, IgA by ELISA</i>	<i>Negative</i>	<i>35 or less</i> U/mL
		<i>Positive</i>	<i>36 or greater</i>
	<i>Rheumatoid Factor, IgG by ELISA</i>	<i>Negative</i>	<i>20 or less</i> U/mL
		<i>Positive</i>	<i>21 or greater</i>
	<i>Rheumatoid Factor, IgM by ELISA</i>	<i>Negative</i>	<i>25 or less</i> U/mL
		<i>Positive</i>	<i>26 or greater</i>

SULFA

SULFA

SULFONAMIDES (SULFA) (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012		
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Draw peak sample 2 hours post dose. Indicate sulfa medication on request form. Separate serum or plasma from cells within 2 hours of collection. Store and transport refrigerated.</i>		
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-2 weeks, Refrigerated-2 weeks, Frozen- 2 weeks.4) ARUP# 0020044.</i>		

TBG

TBG

THYROXINE BINDING GLOBULIN (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012		
Specimen Requirements	<i>0.5 mL frozen serum (SST tube). Separate serum from cells and put in separate plastic tube and freeze. Store and transport frozen.</i>		
Comments	<i>1) Min Amt: 0.4 mL. 2) Unacceptable conditions: plasma or grossly hemolyzed or lipemic specimens. 3) Stability: RT-24 hrs, Refrigerated-1 week, Frozen- 1 month. 4) ARUP# 0070410.</i>		

THOR

CHLORP

CHLORPROMAZINE (THORAZINE) (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>2 mL serum (red top tube) or plasma (grey top tube). Draw 8-12 hours post dose. Separate serum from the cells within 2 hours of collection and put in separate plastic tube. Protect from light. Store and transport refrigerated.</i>
Comments	<i>1) Min Amt: 1 mL. 2) Other acceptable specimens: SST or PST: Separate serum or plasma from gel within 6 hours and hold at room temperature or separate within 2 hours and store refrigerated. Lavender (K2 or K3EDTA) or pink (K2EDTA). 3) Unacceptable Conditions: Whole blood. Light blue (citrate) or yellow (SPS or ACD solution). 4) Stability: RT-12 hours, Refrigerated-3 days, Frozen-5 days. 5) ARUP# 0090870.</i>

TRAN

CLORAZ

CLORAZEPATE (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from the cells within 2 hours of collection and put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-1 week, Refrigerated-1 week, Frozen-2 months. 4) ARUP# 0090196.</i>

TRAZ

TRAZ

TRAZODONE (DESYREL) (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate the serum or plasma from cells within 2 hours of collection. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-12 hours, Refrigerated-1 week, Frozen-1 week. 4) ARUP# 0090316.</i>

TRYPSN

TRYP

TRYPSIN-LIKE IMMUNOREACTIVITY (Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL frozen serum (SST or red top tube). Allow serum tube to sit for 15-20 minutes at room temperature for proper clot formation. Centrifuge and separate serum or plasma from cells ASAP or within 2 hours of collection and put in separate plastic tube and freeze. Store and transport frozen.</i>
Comments	<i>1) Min Amt: 0.3 mL. 2) Other acceptable specimens: lavender (EDTA) or pink (K2EDTA). 3) Unacceptable conditions: Heparinized specimens, hemolyzed and lipemic samples. 4) Stability: RT-2 hours, Refrigerated-24 hours, Frozen-3 months. 5) ARUP# 0070003.</i>

Effective	02/07/2012		
Method	LC-MS/MS, GC/MS		
CPT4	80101 x 13		
Specimen Requirements	6-8 inches of umbilical cord in a umbilical cord container. Drain cord and discard any cord blood. Rinse surface with normal saline and put in the umbilical cord container and sign the completed requisition. Store and transport refrigerated. This test may reflex to additional tests depending upon the results of this test. Additional fees may be added.		
Comments	1) Stability: RT-1 week, Refrigerated 3 weeks, Frozen-1 year. 2) Supplies are available from the PAML Supply Department. 3) USDTL # CORDSTAT 13.		
Reference Ranges	<p>CORDSTAT 13 RESULT</p> <p>AMPHETAMINES ng/g</p> <p>Amphetamine ng/g (LC-MS/MS)</p> <p>Methamphetamine ng/g (LC-MS/MS)</p> <p>MDA (LC-MS/MS) ng/g</p> <p>MDMA(LC-MS/MS) ng/g</p> <p>MDEA (LC-MS/MS) ng/g</p> <p>BARBITURATES ng/g</p> <p>Butalbital (LC-MS/MS) ng/g</p> <p>Amobarbital ng/g (LC-MS/MS)</p> <p>Pentobarbital ng/g (LC-MS/MS)</p> <p>Secobarbital ng/g (LC-MS/MS)</p> <p>Phenobarbital ng/g (LC-MS/MS)</p> <p>BUPRENORPHINE ng/g</p> <p>Buprenorphine ng/g (LC-MS/MS)</p> <p>Norpropoxyphene ng/g (LC-MS/MS)</p> <p>BENZODIAZEPINES ng/g</p> <p>Midazolam(LC-MS/MS) ng/g</p> <p>Oxazepam(LC-MS/MS) ng/g</p> <p>Alprazolam(LC-MS/MS) ng/g</p> <p>Temazepam(LC-MS/MS) ng/g</p> <p>Nordiazepam(LC-MS/MS) ng/g</p> <p>Diazepam(LC-MS/MS) ng/g</p> <p>COCAINES ng/g</p> <p>Benzoyllecgonine ng/g</p>		

(LC-MS/MS)			
METHADONES			ng/g
Methadone (LC-MS/MS)			ng/g
EDDP (LC-MS/MS)			ng/g
MEPERIDINE			ng/g
Meperidine (LC-MS/MS)			ng/g
Normeperidine (LC-MS/MS)			ng/g
OPIATES			ng/g
Codeine (LC-MS/MS)			ng/g
Morphine (LC-MS/MS)			ng/g
Hydrocodone (LC-MS/MS)			ng/g
Hydromorphone (LC-MS/MS)			ng/g
6-MAM (LC-MS/MS)			ng/g
PCP			ng/g
Phencyclidine (LC-MS/MS)			ng/g
OXYCODONE			ng/g
Oxycodone (LC-MS/MS)			ng/g
Oxymorphone (LC-MS/MS)			ng/g
PROPOXYPHENE			ng/g
Propoxyphene (LC-MS/MS)			ng/g
Norpropoxyphene (LC-MS/MS)			ng/g
CANNABINOIDS			pg/g
Carboxy-THC (GC/MS)			pg/g
TRAMADOL			ng/g
Tramadol (LC-MS/MS)			ng/g
Certification			

VALIUM

DIAZ

DIAZEPAM & NORDIAZEPAM (Description, Specimen Requirements)

order code

flexilab code

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube) or Lavender (K2 or K3EDTA) or pink (K2EDTA). Separate serum or plasma from cells within 2 hours of collection and put in separate plastic tube. Store and transport refrigerated.</i>
Comments	1) Min Amt: 0.5 mL. 2) Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 3) Stability: RT-1 week, Refrigerated-1 week, Frozen-2 months. 4) ARUP# 0090076.

XANAX
order code

ALPRAZ
flexilab code

ALPRAZOLAM (XANAX) (Specimen Requirements)

Effective	02/21/2012
Specimen Requirements	<i>1 mL serum (red top tube). Separate serum from cells within 2 hours of collection and put in separate plastic tube. Store & transport refrigerated.</i>
Comments	<i>1) Min Amt: 0.5 mL. 2) Other acceptable specimens: Lavender (K2 or K3EDTA) or pink (K2EDTA) . 3) Unacceptable conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). 4) Stability: RT-1 week, Refrigerated-1 week, Frozen-2 months. 5) ARUP# 0090010.</i>

ZOLOFT
order code

KRASRF
flexilab code

KRAS SEQUENCE REFLEX/BRAF (CPT Coding)

Effective	2/28/2012
CPT4	83898, 83904 x 2, 83907, 83909 x 2, 83912, 88387, 83891, <i>88363</i>

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