

<b>Test Method GA Workpar / SQ Code CPT Code(s)</b>	<b>Specimen Requirements</b>	<b>Reference Ranges</b>	<b>Comments Effective Date</b>
ARSENIC ARS / ARS	7 mL EDTA whole blood (EDTA) royal blue top tube). Store and transport refrigerated.		Effective 3-5-01.
BETA-2-MICROGLOBULIN, CSF ICMA B2M.CSF / B2MSF			Stability: 8 hours at room temperature, 7 days refrigerated, 2 weeks frozen. Effective 3-5-01.
CADMIUM EXPOSURE PANEL (OSHA) ICP/MS, Spectro, ICMA CAD.EXP.PAN / CADPAN			Method change only. Effective 3-5-01.
CARBAMAZEPINE, FREE Immunoassay CARB.FREE / CARBFR			Method change only. Effective 3-5-01.
CATECHOLAMINES, PLASMA FRACTIONATED CATCPF / CATCPF	Collect on ice.	Dopamine 2 days - 150 yrs: 0-20 pg/mL	"Collect on ice" added to specimen requirements and Dopamine reference range changed. Other data remain unchanged. Effective 3-5-01.
CHLAMYDIA DIFFERENTIATION AB PANEL CHL.DIF.AB / CHLPAN			Unacceptable conditions: plasma, CSF, hyperlipemic, hemolyzed or contaminated samples. Effective 3-5-01.
CHLAMYDIA AB PANEL, IGM CHLAM.AB.SPEC / CHLPM			Unacceptable conditions: plasma, CSF, hyperlipemic, hemolyzed or contaminated samples. Effective 3-5-01.
CHROMIUM, SERUM ICP/MS CHROM.S / CHRM		0.5-2.1 mg/L	Effective 3-5-01.
CHROMIUM, QUANT (URINE) ICP/MS CHROM-U / CHRMUQ			Description and method change only. Effective 3-5-01.
CRYOGLOBULIN, QUANT REFLEXIVE PANEL IGA, IGM, IGG CRYQ / CRYQ			Description change only. Effective 3-5-01.

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CYSTICERUS AB CYSTICERCUS.AB / CYSTAB 86682 (MRL)	1 mL serum (red-top tube). Separate serum from cells and place in separate plastic tube. Store and transport refrigerated.	LT 0.90 Antibody not detected. 0.90-1.15 Equivocal: Submission of a second specimen collected 3-4 weeks after initial specimen suggested if clinically warranted. GT 1.15 Antibody detected.  Cysticercosis is caused by infection with the larval form (cysticerus) of the pork tapeworm, <i>Taenia solium</i> . Clinical manifestations of cysticercosis most commonly result from the lodging of cysticerci in brain and neural tissue. Common symptoms of neurocysticercosis include seizures and convulsions. Antibodies from other paracytic infections, particularly echinococcosis, may cross-react in the cysticercus IgG ELISA. Confirmation of positive ELISA results by the cysticercus IgG Ab Western blot is thus recommended.	Min. amt: 0.25 mL. Effective immediately.
CYSTINE, URINE (QUANT) CYSTINE / CYSTUQ			Unacceptable conditions: pH less than 5 or more than 8 and samples with acid or other preservatives. Effective 3-5-01.
DHEA (SERUM) DHEA / DHEA	<i>Add to existing information:</i> Collect on ice.	0-3 days      2.9-10.1 ng/mL 4-30 days    0.8-9.5 1-6 mos      0.6-5.0 6-12 mos    0.5-2.0 1-6 yrs      0.4-1.5 7-8 yrs      0.9-3.7 9-10 yrs     0.9-4.8 11-20 yrs    1.9-9.5 21-49 yrs    1.9-7.6 50+ yrs      1.0-4.5	Effective 3-5-01.
11-DEOXYCORTISOL 11-DEOXY / 11DEOX	<i>Add to existing information:</i> Collect on ice. This method is not appropriate for patients less than 3 months old.		Effective 3-5-01.
DIGITOXIN Immunoassay DGTXX / DGTXX			Effective 3-5-01.
DRVVT [ARUP] DRVWAR / DRVWAR		DRVVT      33-46 sec DRVVT 1:1 Mix    LT 46 sec	Stability: 4 hours at room temperature, 8 hours refrigerated, 2 weeks frozen. Effective 3-5-01.
EBV ANTIBODY PANEL EBV.SKBL / EBVSK	This test has been discontinued.		Effective immediately.

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ESTROGENS, FRACTIONATED ESTROGENS FRAC / ESTROF		ESTRADIOL M LT 9 yrs 7-8 pg/mL 9-10 yrs 7-11 11-12 yrs 7-22 13-14 yrs 7-24 15-16 yrs 11-33 17-50 yrs 18-67 51-69 yrs 15-54 70+ yrs 18-73 F LT 9 yrs 7-14 9-10 yrs 7-32 11-12 yrs 7-38 13-14 yrs 10-91 15-16 yrs 17-181 17-40 yrs 23-170 41-54 yrs 17-184 55+ yrs 12-199 Early follicular 30-100 Late follicular 100-400 Luteal 50-150 Postmenopausal LT 18  ESTRONE M Prepubertal LT 25 pg/mL Adult LT 65 F Prepubertal LT 25 Early follicular LT 150 Late follicular 100-250 Luteal LT 200 Postmenopausal LT 55  ESTROGENS, TOTAL M 1-6 mos 25-100 pg/mL LT 9 yrs 7-53 9-10 yrs 7-26 11-12 yrs 7-46 13-14 yrs 7-62 15-16 yrs 10-66 17+ yrs 29-127 F 1-6 mos 25-253 LT 9 yrs 7-104 9-10 yrs 7-67 11-12 yrs 8-111 13-14 yrs 20-154 15-16 yrs 41-157 17+ yrs 35-297 Early follicular 30-250 Late follicular 200-650 Luteal 50-350 Postmenopausal LT 73	Effective 3-5-01.
FECAL FAT EXCRETION (72 HR) FAT / FFAT			Unacceptable conditions: fecal specimens containing foreign material, in media or preservative, or specimens more than 500 mL (500 grams). Stability: 24 hours or less refrigerated, 24 hours or more frozen. Effective 3-5-01.
FELBAMATE FELBAMATE / FELB	1 mL serum.		Min. amt: 0.5 mL. Effective 3-5-01.

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HCV GENOTYPING BY PCR & SEQUENCING HCVGAR / HCVGAR	2 mL frozen serum (red top tube). Separate serum from cells within 2 hours of collection and put in separate plastic tube and freeze. Store and transport frozen. This is a critical frozen specimen.		<i>Add to existing information:</i> Stable 2 hours at room temperature on cells. Effective 3-5-01.
HCV RNA, QUAL BY PCR [ARUP] HCVPAR / HCVPAR	2 mL frozen serum (red top tube). Separate serum from cells within 2 hours of collection and put in separate plastic tube and freeze. Store and transport frozen. This is a critical frozen specimen.		Stability: 2 hours at room temperature on cells, 12 hours refrigerated (serum), 4 months frozen. Effective 3-5-01.
HCV RNA, QUANT RTPCR [ARUP] HEPCQT / HEPCQT	2 mL serum (red top tube). Separate serum from cells and put in separate plastic tube within 2 hours of collection and freeze. Store and transport frozen. This is a critical frozen specimen. The reportable range is 600-600,000 IU/mL (approximately 1,000-1,000,000 HCV RNA copies/mL). The lower detection limit of this assay is 600 IU/mL.	LT 600 IU/mL (approximately 1,000 HCV RNA copies/mL)  This test is a reverse-transcriptase polymerase chain reaction (RT-PCR) method. The reportable range is 600-600,000 IU/mL (approximately 1,000-1,000,000 HCV RNA copies/mL). This assay uses a commercial transcriptase PCR reaction (RT-PCR) designated for research use only by the manufacturer. Test reliability has been validated by ARUP Lab.	Min. amt: 0.5 mL. Other acceptable specimens: EDTA plasma (lavender top tube). Unacceptable conditions: non-frozen samples or samples exposed to repeated freeze/thaw cycles, and heparinized samples. Stability: 2 hours at room temperature on cells, 12 hours refrigerated (serum), 4 months frozen. Effective 3-5-01.
HIV 1 STD QUANT BY PCR HIVSPC / HIVSPC	This test has been discontinued.		Effective immediately.
HIV 1 ULTRA SENS QUANT BY PCR HIV1US / HIV1US	2 mL frozen EDTA plasma (lavender top tube). Separate plasma from cells within 2 hours of collection, put in separate plastic tube, and freeze. Store and transport frozen. This is a critical frozen. Separate samples must be submitted when multiple tests are ordered.	LT 1.7 log copies (50 copies) of RNA/mL	Min. amt: 1.5 mL. Unacceptable conditions: non-frozen samples or samples exposed to repeated freeze/thaw cycles. Serum and heparinized plasma are unacceptable. Stability: 2 hours at room temperature (plasma on cells), 12 hours refrigerated (plasma only), 4 months frozen (plasma only). Effective 3-5-01.
HYDROXYPROLINE, TOTAL, URINE HYDROXYPROLINE.T / HPTUQ	5-mL frozen aliquot of a 24-hour urine collection, no preservative. Urine must be refrigerated during collection. Record total volume and collection time. Store and transport frozen. Patient should be on a low-collagen diet.		Min. amt: 3 mL. Unacceptable conditions: non-frozen samples. Stability: unstable at room temperature, unstable refrigerated, 6 months frozen. Effective 3-5-01.



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MYOGLOBIN, URINE (NO PIGMENT) MEIA MYOGLOBIN-U / MGNPUR			Change in method only. Effective 3-5-01.
NARCOLEPSY PANEL NARC / NARC	<i>Add to existing information:</i> If patient is 0-4 years of age, call before drawing.		Effective 3-5-01.
PHENYLALANINE, QUANT PHEN-Q / PHEN			Effective 3-5-01.
PHENYTOIN, FREE & TOTAL [ARUP] Immunoassay DFTARU / DFTARU			Min. amt: 1 mL. Effective 3-5-01.
PLATELET AB DETECTION (INDIRECT) PLT.AB / PLTABD	<i>Add to existing information:</i> Samples for babies less than 1 month old need to be from mother.		Effective 3-5-01.
PSEUDOCHOLINESTERASE + DIBUCAINE PSEUDO-DIB / PSEUDO			Unacceptable conditions: citrated, oxalated or fluoride-preserved plasma samples, unseparated whole blood samples, or samples drawn during surgery or in recovery room. Effective 3-5-01.
RUBEOLA, IGM RUBEOLA.IGM / RUBEOM			Unacceptable conditions: severely lipemic, heat-inactivated, or helolyzed samples. Stability: 2 days at room temperature, 2 weeks refrigerated, 1 year frozen. Effective 3-5-01.
SSDNA ANTIBODY, IGG SSDNA / SSDNA		LT 20 EU    Negative 20-25 EU    Borderline positive GT 25 EU    Positive	Effective 3-5-01.
T-3 (REVERSE) T3REV / REV3			Other acceptable specimens: EDTA plasma (lavender top tube). Effective 3-5-01.
TESTOSTERONE (PROLACTIN REFLEX) TES.R / TESPRL	This test has been discontinued.		Effective immediately.
VITAMIN K1 VITK1 / VITK1	5 mL frozen serum (red top tube).		Min. amt: 1.5 mL. Effective 3-5-01.

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BCL-2/JH t(14;18) mbr, Fluid BCL2FL / BCL2FL		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
Cytomegalovirus by PCR CMVPCR / CMVPCR		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
Enterovirus Detection by PCR ENTPCR / ENTPCR		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
EBV by PCR EBVPCR / EBVPCR		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
HSV by PCR HSVPCR / HSVPCR		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
Lyme by PCR LYMPCR / LYMPCR		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
Varicella-Zoster Virus by PCR VZVPCR / VZVPCR		<i>Add to existing information:</i> This test uses a commercial kit or reagent that has not been cleared by the FDA. Its performance characteristics were determined by ARUP Laboratories.	Effective 3-5-01.
Alpha-1-Antitrypsin Phenotype AAT-PHENO / AATPH	<i>Add to existing information:</i> Collect on ice.		Effective 3-5-01.
Arginine Vasopressin Hormone ADH / AVH	<i>Add to existing information:</i> Collect on ice.		Stability: 2 hours at room temperature, unstable refrigerated, 2 months frozen. Effective 3-5-01.
C-Peptide C-PEP / CPEP	<i>Add to existing information:</i> Collect on ice.		Stability: 2-3 hours at room temperature, 48 hours refrigerated, 1 week frozen. Effective 3-5-01.
Calcitonin CALCITONIN / CALCIT	<i>Add to existing information:</i> Collect on ice.		Stability: 2 hours at room temperature, unstable refrigerated, 3 months frozen. Effective 3-5-01.
Cryptococcus Antigen CRYPTO / ACRYP	<i>Add to existing information:</i> Collect on ice.		Stability: unstable at room temperature, 7 days refrigerated, indefinitely frozen. Effective 3-5-01.
Estrone ESTRONE / ESTRN	<i>Add to existing information:</i> Collect on ice.		Stability: 2 hours at room temperature, 2 days refrigerated, 3 months frozen. Effective 3-5-01.
Fatty Acids (Free) FATTY / FATTYF	<i>Add to existing information:</i> Collect on ice.		Stability: unstable at room temperature, 24 hours refrigerated, 1 month frozen. Effective 3-5-01.

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PSA, Free Percent [ARUP] PSAFAR / PSAFAR	<i>Add to existing information:</i> Collect on ice.		Min. amt: 0.5 mL. Effective 3-5-01.
Vitamin D (1,25-Dihydroxy) VIT D / VITD	<i>Add to existing information:</i> Collect on ice.		Stability: 3 days at room temperature, 3 days refrigerated, 6 months frozen. Effective 3-5-01.
Vitamin D (25-Hydroxy) VIT.D-OH / VITDOH	<i>Add to existing information:</i> Collect on ice.		Stability: 3 days at room temperature, 3 days refrigerated, 3 months frozen. Effective 3-5-01.
Estrogen by RIA ESTRO / ESTRO	Use the workpar ESTROGENS FRAC to order this test.		Effective immediately.
Lupus Comprehensive Panel ANALZ2 / ANALZ2		dsDNA (native) Ab, ELISA: LT 30 IU/mL	Other components remain unchanged. Effective immediately.
Pneumococcal Antibody, IgG Multi-Analyte Fluorescent Detection PNEUAB / PNEUAB 86317×14	1.5 mL serum (red top tube). Separate serum from cells ASAP and place in separate plastic tube. Store and transport refrigerated. If pre and post samples are collected, draw the post-vaccine sample 30 days post-vaccination. Store the pre-vaccine samples frozen, and submit both samples together refrigerated.	Pneumococcal Serotype 1, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 3, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 4, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 5, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 6B, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 7F, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 8, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 9N, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 9V, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 12F, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 14, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 18C, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 19F, IgG $\mu\text{g/mL}$ Pneumococcal Serotype 23F, IgG $\mu\text{g/mL}$ Pneumococcal Serotype Interp. $\mu\text{g/mL}$	NEW PROCEDURE Min. amt: 0.7 mL. Unacceptable specimens: plasma, severely lipemic, contaminated, or hemolyzed samples, or other body fluids. Avoid repeated freeze/thaw cycles. Stability: 2 days at room temperature, 2 weeks refrigerated, 1 year frozen. Effective 3-5-01.
Pneumococcal Antibodies PNEUMO.AB / PNEUMO	This workpar is being discontinued. Use the workpar PNEUAB to order this study.		Effective 3-5-01.

Thank you for your continuing support and cooperation. If you have any questions, please contact Client Services.