

**The tests listed in this table will be DELETED from our catalog.  
Replacement or alternate tests are noted if applicable.**

<b>Order Code</b>	<b>Effective Date</b>	<b>Deleted Test</b>	<b>Replacement / Alternate Test</b>
33252	Immediate	Allergen, Food of Plant Origin, Cumin Seed IgE	N/A
47327	6.01.2017	Bacterial Detection by 16S NGS (Next Generation Sequencing)	Broad Range Bacterial PCR and Sequencing (42360)
47326	6.01.2017	Bacterial Detection by PCR with Reflex to 16S NGS (Next Generation Sequencing)	Broad Range Bacterial PCR and Sequencing (42360)
44919	5.15.2017	Bartonella Species by PCR, Whole Blood	Bartonella Species by PCR (44918)
47347	Immediate	Bone Marrow Failure Sequencing, 35 Genes	N/A
47299	5.15.2017	Breast and Ovarian Hereditary Cancer Syndrome (BRCA1 and BRCA2) Deletion/Duplication	
30127	6.01.2017	Estrogens, Fractionated by Immunoassay	Estrogens, Fractionated by Tandem Mass Spectrometry (44429)
45739	6.01.2017	Factor V R2 DNA Analysis	Factor V HR2 Allele DNA Mutation Analysis (43729)
43148	6.01.2017	Hepatitis C Virus RNA Genotype 1 NS5a Drug Resistance	Hepatitis C Virus Genotype 1 NS5a Drug Resistance by Sequencing (47587)
44946	5.15.2017	Hereditary Hemorrhagic Telangiectasia (ACVRL1 and ENG) Deletion/Duplication	
47422	5.15.2017	Herpes Simplex Virus Type 1 and 2 Glycoprotein G-Specific Antibodies, IgG by Immunoblot	Herpes Simplex Virus Type 1 and 2 Specific Antibodies, IgG, Serum (28211)
23288	Immediate	i-STAT Troponin I (cTnI)	Troponin T (44548)
23289	Immediate	i-STAT Troponin I (cTnI) with Reflex to CK-MB	Troponin T, with Reflex to Creatine Kinase, Total and CK-MB (22076)
45924	5.15.2017	Inosine Triphosphate (ITPA) and Interleukin 28 B (IL28B)-Associated Variants, 4 SNPs	Interleukin 28 B (IL28B)-Associated Variants, 2 SNPs (45804)
45868	5.15.2017	Marfan Syndrome, FBN1 Deletion/Duplication	
45944	5.15.2017	Multiple Endocrine Neoplasia Type 1 (MEN1) Deletion/Duplication	
36166	Immediate	Myeloproliferative Disease Panel	Order BCR/ABL and JAK2 tests sequentially, not as a panel. Refer to separate assays: BCR/ABL t(9;22) Translocation, D-FISH (36134) JAK2 (V617F) Mutation Analysis (36140)
42239	6.01.2017	Paraneoplastic Autoantibody Evaluation	Paraneoplastic Autoantibody Evaluation with Reflex to Titer and Western Blot (43707)
47032	5.15.2017	Parvovirus B19 by PCR, Bone Marrow	Parvovirus B19 by PCR (44635)
42208	6.01.2017	Pernicious Anemia Cascade, Serum	Vitamin B12 Reflexive Cascade (30034)
45885	5.15.2017	PTEN-Related Disorders (PTEN) Deletion/Duplication	
45412	5.15.2017	Rett Syndrome (MECP2), Deletion and Duplication	
23291	5.06.2017	Troponin I	Troponin T (44548)
23292	5.06.2017	Troponin I, with Reflex to Creatine Kinase, Total and CK-MB	Troponin T, with Reflex to Creatine Kinase, Total and CK-MB (22076)
45716	5.15.2017	Very Long-Chain Acyl-CoA Dehydrogenase Deficiency (ACADVL) Deletion/Duplication	
47384	Immediate	Vitamin B12 Deficiency Panel	Vitamin B12 Reflexive Cascade (30034)
45873	5.15.2017	von Hippel-Lindau (VHL) Deletion/Duplication	
45943	5.15.2017	X Chromosome Ultra-High Density Microarray	

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## **ARUP Laboratories Streamlining of Genetics Test Menu**

ARUP is streamlining its genetic test menu in an effort to improve test utilization and promote time and cost savings by preventing misorders.

The **deletion/duplication** tests listed on the previous page will be removed from the Test Directory effective May 15th. The full gene analyses associated with each of these tests, which include deletion/duplication testing, are considered the preferable assays for first-tier diagnostic testing.

The deletion/duplication assays will continue to be available as standalone tests in special cases with approval of an ARUP genetic counselor.

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### **47574      4Kscore Test**

Effective Immediately

Add components:

- 1647574    4K - PSA, Total
  - 1447574    4K - PSA, Free
  - 1547574    4K - PSA, Percent Free
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### **23238      5-Hydroxyindoleacetic Acid, Quantitative, Urine, Random**

Effective June 1, 2017

Add component:

- 1123238                      U 5HIAA

Remove component:

- 1023236                      U 5HIAA
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### **47036      Fluorouracil (5-FU) Toxicity and Chemotherapeutic Response, 5 Mutations**

Effective Immediately

CPT changed to 81400; 81401

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### ***NEW TEST*      47586    Ankylosing Spondylitis (HLA-B27) Genotyping**

Available Now

Performed by ARUP Laboratories.

Specimen information sheet enclosed.

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### ***NEW TEST*      43726    Apolipoprotein E (ApoE) Isoform, CSF**

Available Now

Performed by Quest Diagnostics Nichols Institute

Specimen information sheet enclosed.

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**NEW TEST    47584    Autoimmune Liver Disease Evaluation with Reflex to  
Smooth Muscle Antibody (SMA), IgG by IFA**

Available Now

Performed by ARUP Laboratories

Specimen information sheet enclosed.

Panel includes

- F-Actin Antibody, IgG
- Mitochondrial (M2) Antibody, IgG
- Liver-Kidney Microsome-1 Antibody, IgG

If F-Actin is 20 Units or greater, then Smooth Muscle Ab, IgG IFA titer will be added.

The following reflex test may apply:

- 47583    REFLEX: Smooth Muscle Antibody, IgG Titer

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**NEW TEST    43727    Beta-Amyloid 42/40 Ratio and Apolipoprotein E (ApoE)  
Isoform Panel, CSF**

Available Now

Performed by Quest Diagnostics Nichols Institute

Specimen information sheet enclosed.

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**NEW TEST    43728    Beta-Amyloid 42/40 Ratio, CSF**

Available Now

Performed by Quest Diagnostics Nichols Institute

Specimen information sheet enclosed.

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**NEW TEST    42360    Broad Range Bacterial PCR and Sequencing**

Available Now

Performed by Mayo Medical Laboratories

Specimen information sheet enclosed.

The following reflex test may apply:

- 42361    zz.BILLONLY: Bacterial Ident by Sequencing (CPT 87153)

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**28083            Cryptococcal Antigen Screen with Reflex to Titer, CSF**

**28023            zz.BILLONLY: Cryptococcal Antigen Titer, CSF**

Effective May 15, 2017

Method changed to Lateral Flow Assay

CPT changed to 87899 (Screen); if indicated, add 87899-59 (Titer)

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**28085            Cryptococcal Antigen Screen with Reflex to Titer, Serum**

**28025            zz.BILLONLY: Cryptococcal Antigen Titer, Serum**

Effective May 15, 2017

Method changed to Lateral Flow Assay

CPT changed to 87899 (Screen); if indicated, add 87899-59 (Titer)

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**30094            Estrone, Serum or Plasma**

Effective Immediately

Performing lab changed to ARUP Laboratories

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**NEW TEST    47585    F-Actin and Mitochondrial M2 Antibodies, IgG by ELISA  
with Reflex to Smooth Muscle Ab, IgG by IFA**

Available Now

Performed by ARUP Laboratories

Specimen information sheet enclosed.

Panel includes

- F-Actin Antibody, IgG
- Mitochondrial (M2) Antibody, IgG

If F-Actin is 20 Units or greater, then Smooth Muscle Ab, IgG IFA titer will be added.

The following reflex test may apply:

- 47583    REFLEX: Smooth Muscle Antibody, IgG Titer

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**45528    F-Actin (Smooth Muscle) Antibody, IgG by ELISA with Reflex to  
Smooth Muscle Antibody, IgG Titer**

Effective May 1, 2017

Name changed. Previously listed as “F-Actin (Smooth Muscle) Antibody, IgG.”

If F-Actin is 20 Units or greater, then Smooth Muscle Ab, IgG IFA titer will be added.

The following reflex test may apply:

- 47583    REFLEX: Smooth Muscle Antibody, IgG Titer

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**NEW TEST    43729    Factor V HR2 Allele DNA Mutation Analysis**

Available Now

Performed by Quest Diagnostics Nichols Institute

Specimen information sheet enclosed.

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**23380    Heavy Metals, Whole Blood**

Effective Immediately

Add Prompts/Questions:

- 1023887    Source
- 1423081    Ethnicity
- 1323081    Race
- 1233259    Reason for Test

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**NEW TEST    47587    Hepatitis C Virus Genotype 1 NS5A Drug Resistance by  
Sequencing**

Available Now

Performed by ARUP Laboratories.

Specimen information sheet enclosed.

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**NEW TEST    36027    Hepatitis C Virus Genotyping by RT-PCR with Reflex to HCV NS5A Drug Resistance**

Available Now

Performed by The Medical Foundation

Specimen information sheet enclosed.

If HCV genotype is 1a or 1b, then NS5A drug resistance testing will be added.

The following reflex test may apply:

- 47587    Hepatitis C Virus Genotype 1 NS5A Drug Resistance by Sequencing

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**NEW TEST    36026    Hepatitis C Virus RNA, Quantitative RT-PCR with Reflex to HCV Genotyping and NS5A Drug Resistance**

Available Now

Performed by The Medical Foundation

Specimen information sheet enclosed.

If HCV viral load is 1000 IU/mL or greater, then genotyping will be added.

If HCV genotype is 1a or 1b, then NS5A drug resistance testing will be added.

The following reflex tests may apply:

- 36123    Hepatitis C Virus Genotyping by RT-PCR
- 47587    Hepatitis C Virus Genotype 1 NS5A Drug Resistance by Sequencing

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**NEW TEST    36025    HIV-1 RNA, Quantitative PCR with Reflex to HIV-1 Genotype and Integrase Inhibitor Resistance**

Available Now

Performed by The Medical Foundation

Specimen information sheet enclosed.

If HIV-1 RNA, Quantitative PCR result is greater than or equal to 3.0 log copies/mL, then HIV-1 Genotype and Integrase Inhibitor Resistance by Sequencing will be added.

The following reflex test may apply:

- 47341    HIV-1 Genotype and Integrase Inhibitor Resistance by Sequencing

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**NEW TEST    47582    IDH1 and IDH2 Mutation Analysis, Exon 4, Formalin-Fixed, Paraffin-Embedded (FFPE) Tissue**

Available Now

Performed by ARUP Laboratories

Specimen information sheet enclosed.

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**47325            IDH1 and IDH2 Mutation Analysis, Exon 4, Whole Blood or Bone Marrow**

Effective Immediately

Name changed. Previously listed as "IDH1 and IDH2 Mutation Analysis, exon 4."

Use this test for blood or bone marrow specimens only. Tissue specimens are no longer acceptable. Refer to new test 47582 for IDH1 and IDH2 on tissue.

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**23081      Lead, Whole Blood**  
**23199      Lead, Industrial, Whole Blood**

Effective Immediately

Acceptable responses for Prompt/Question 1023887 Source are “Capillary” or “Venous”.

“NOT GIVEN” and “Fltrppr” have been removed from the list of response choices.

**NOTE:** Enter “Capillary” as the Source when using the pediatric blood spot filter paper collection card.

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***NEW TEST*      43725   Multiple Myeloma, Daratumumab-Specific, Immunofixation**

Available Now

Performed by Quest Diagnostics Nichols Institute, SJC

Specimen information sheet enclosed.

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***NEW TEST*      43707   Paraneoplastic Autoantibody Evaluation with Reflex to  
Titer and Western Blot**

Available Now

Performed by Quest Diagnostics Nichols Institute, SJC

Specimen information sheet enclosed.

The following reflex tests may apply:

- 43710      REFLEX: Acetylcholine Receptor Modulating Antibody
- 43712      REFLEX: Anti-Striated Muscle Antibody Titer
- 43713      REFLEX: Aquaporin-4 Antibody (IgG), CBA
- 43714      REFLEX: Neuronal Nuclear Antibody Type 3 (ANNA-3), Titer
- 43715      REFLEX: Paraneoplastic Antibody, CBA/IFA
- 43716      REFLEX: Paraneoplastic Antibody, Western Blot
- 43717      REFLEX: Purkinje Cell Cytoplasmic Antibody Type 2 (PCA-2), Titer

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**45570      Procalcitonin, Serum or Plasma**

Effective May 1, 2017

Remove Prompt/Question:

- 1003095      Specimen type for Procalcitonin

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**36174      Red Blood Cell Antigen Phenotype, Molecular Analysis**

Effective Immediately

CPT changed to 0001U

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***NEW TEST*      47588   Total Inhibin, Serum**

Available Now

Performed by ARUP Laboratories

Specimen information sheet enclosed.

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***NEW TEST*    30034    Vitamin B12 Reflexive Cascade**

Available Now

Performed by The Medical Foundation

Specimen information sheet enclosed.

If B12 is 150 to 400 pg/mL, then MMA will be added.

If B12 is less than 150 pg/mL or MMA is greater than 0.4 mcmmol/L, then IFBA will be added.

If IFBA is Negative or Indeterminate, then Gastrin will be added.

The following reflex tests may apply:

- 30028      Gastrin
- 44084      Intrinsic Factor Blocking Antibody
- 31403      Methylmalonic Acid, Serum