Kansas City

PAYMENT INTEGRITY COMPLIANCE
Identification of Microorganisms using Nucleic Acid Probes

POLICY INFORMATION			
Policy Number:	POL-PP-287 AHS – M2097 – Identification of Microorganisms Using Nucleic Acid Probes	Original Effective Date:	07/01/2025
Version Number:	002	Revision Date:	
Policy Status:	Active	Next Revision Date:	07/01/2026

Blue KC reserves the right to review and revise these policies when necessary. When there is an update, we will publish the most current policy to: https://providers.bluekc.com/ContactUs/PaymentPolicies.

PROVIDER/ENTITY IMPACTED					
☒ PROFESSIONAL	☒ FACILITY	☐ DME	☐ AMBULATORY SURGERY	☒ LAB	☐ OTHER

LINES OF BUSINESS IMPACTED						
☒ COMMERCIAL	☒ BLUE MEDICARE ADVANTAGE	☒ ACA QHP[1]	☒ SMALL GROUP ACA	☒ JAA[2]	☒ FEP[3]	☐ DENTAL

[1] ACA QHP: Affordable Care Act Qualified Health Plan for Individual/Family [2] JAA: Joint Administrative Account [3] FEP: Federal Employee Program

Disclaimer

Blue KC has developed Provider Payment Policies to provide guidance on payment methodologies as they pertain to submitted claims. These policies are written following industry standard recommendations from sources such as:

- Current Procedural Terminology
- Centers for Medicare and Medicaid
- American Medical Association
- National Correct Coding Initiative
- Other professional organizations and societies

Coverage of any service is determined by date of service, a member's eligibility and benefit limits for the service or services rendered, all terms of the Provider Service Agreement, and other standards of coding rules and guidelines.
Final payment is subject to the application of claims adjudication and edits common to the industry.
For confirmation of which services may be eligible for coverage and description of when medical services are considered medically necessary, not medically necessary, or investigational, please contact:

- Blue KC Provider Hotline for Commercial lines of Business 816-395-3929
- Affordable Care Act Provider Hotline 866-859-3822
- Blue Medicare Advantage Provider Hotline 866-508-7140

In the event of a conflict between any policies, the Member's coverage document will govern

Description/Application

Nucleic acid hybridization technologies utilize complementary properties of the DNA double-helix structures to anneal together DNA fragments from different sources. These techniques are utilized in polymerase chain reaction (PCR) and fluorescent resonance energy transfer (FRET) techniques to identify microorganisms.

A discussion of every infectious agent that might be detected with a probe technique is beyond the scope of this policy. Many probes have been combined into panels of tests. For the purposes of this policy, only individual probes are reviewed.

For guidance on nucleic acid identification of *Candida* in vaginitis, please refer to AHS-M2057-Diagnosis of Vaginitis.

Policy

Application of coverage criteria is dependent upon an individual's benefit coverage at the time of the request.
The coverage status of nucleic acid identification using directed probe, amplified probe, or quantification for the microorganism's procedure codes is summarized in Table 1 below. MCC in the table below indicates the test **may be reimbursed**, while DNMCC tests indicate that the **test may not be reimbursed.**

Microorganism	Direct Probe	Amplified Probe	Quantification
Bartonella henselae or *quintana*		87471 (MCC)	87472 (DNMCC)
Chlamydia pneumoniae	87485 (DNMCC)	87486 (MCC)	87487 (DNMCC)
Clostridium difficile		87493 (MCC)	
Cytomegalovirus	87495 (DNMCC)	87496 (MCC)	87497 (MCC)
Enterococcus, Vancomycin-resistant (e.g., enterococcus vanA, vanB)		87500 (MCC)	
Enterovirus		87498 (MCC)	
Hepatitis G	87525 (DNMCC)	87526 (DNMCC)	87527 (DNMCC)
Herpes virus-6	87531 (DNMCC)	87532 (DNMCC)	87533 (MCC)
Legionella pneumophila	87540 (DNMCC)	87541 (MCC)	87542 (DNMCC)
Orthopoxvirus		87593 (MCC)	
Mycoplasma pneumoniae	87580 DNMCC)	87581 (MCC)	87582 (DNMCC)
Respiratory syncytial virus		87634 (MCC)	
Staphylococcus aureus		87640 (MCC)	
Staphylococcus aureus, methicillin resistant		87641 (MCC)	

Simultaneous ordering of amplified probe, and quantification for the same organism in a single encounter **may not be reimbursed.**

Coding

CPT	Code Description
87471	Infectious agent detection by nucleic acid (DNA or RNA); Bartonella henselae and Bartonella quintana, amplified probe technique
87472	Infectious agent detection by nucleic acid (DNA or RNA); Bartonella henselae and Bartonella quintana, quantification
87485	Infectious agent detection by nucleic acid (DNA or RNA); Chlamydia pneumoniae, direct probe technique
87486	Infectious agent detection by nucleic acid (DNA or RNA); Chlamydia pneumoniae, amplified probe technique
87487	Infectious agent detection by nucleic acid (DNA or RNA); Chlamydia pneumoniae, quantification
87493	Infectious agent detection by nucleic acid (DNA or RNA); Clostridium difficile, toxin gene(s), amplified probe technique
87495	Infectious agent detection by nucleic acid (DNA or RNA); cytomegalovirus, direct probe technique
87496	Infectious agent detection by nucleic acid (DNA or RNA); cytomegalovirus, amplified probe technique
87497	Infectious agent detection by nucleic acid (DNA or RNA); cytomegalovirus, quantification
87498	Infectious agent detection by nucleic acid (DNA or RNA); enterovirus, amplified probe technique, includes reverse transcription when performed
87500	Infectious agent detection by nucleic acid (DNA or RNA); vancomycin resistance (e.g., enterococcus species van A, van B), amplified probe technique
87525	Infectious agent detection by nucleic acid (DNA or RNA); hepatitis G, direct probe technique
87526	Infectious agent detection by nucleic acid (DNA or RNA); hepatitis G, amplified probe technique
87527	Infectious agent detection by nucleic acid (DNA or RNA); hepatitis G, quantification
87531	Infectious agent detection by nucleic acid (DNA or RNA); Herpes virus-6, direct probe technique
87532	Infectious agent detection by nucleic acid (DNA or RNA); Herpes virus-6, amplified probe technique
87533	Infectious agent detection by nucleic acid (DNA or RNA); Herpes virus-6, quantification
87540	Infectious agent detection by nucleic acid (DNA or RNA); Legionella pneumophila, direct probe technique
87541	Infectious agent detection by nucleic acid (DNA or RNA); Legionella pneumophila, amplified probe technique
87542	Infectious agent detection by nucleic acid (DNA or RNA); Legionella pneumophila, quantification
87580	Infectious agent detection by nucleic acid (DNA or RNA); Mycoplasma pneumoniae, direct probe technique
87581	Infectious agent detection by nucleic acid (DNA or RNA); Mycoplasma pneumoniae, amplified probe technique
87582	Infectious agent detection by nucleic acid (DNA or RNA); Mycoplasma pneumoniae, quantification
87593	Infectious agent detection by nucleic acid (DNA or RNA); orthopoxvirus (e.g., monkeypox virus, cowpox virus, vaccinia virus), amplified probe technique, each
87634	Infectious agent detection by nucleic acid (DNA or RNA); respiratory syncytial virus, amplified probe technique
87640	Infectious agent detection by nucleic acid (DNA or RNA); Staphylococcus aureus, amplified probe technique
87641	Infectious agent detection by nucleic acid (DNA or RNA); Staphylococcus aureus, methicillin resistant, amplified probe technique

References and Resources

Avalon Medical Policy AHS – M2097 – Identification of Microorganisms Using Nucleic Acid Probes

Related Documents

Policy Number	Policy Title
AHS-G2036	Hepatitis Testing
AHS-G2143	Lyme Disease
AHS-G2149	Pathogen Panel Testing
AHS-G2157	Diagnostic Testing of Common Sexually Transmitted Infections
AHS-G2158	Testing for Vector-Borne Infections
AHS-M2057	Diagnosis of Vaginitis

Revision History

Version	Date	Summary of Revisions
001	07/01/2025	Initial version
002	7/1/2025	Avalon 3rd QTR updates