

# Test Update

## New PLEX Assays for Blood Culture Testing UVM Medical Center

On 4/28/2026, the UVMHC Microbiology Laboratory is implementing an updated blood culture rapid identification system that includes an expanded range of organisms and resistance markers. The new panels listed below will be used exclusively within the laboratory and will not be available as standalone orderable tests. They will be reported separately from the initial Bacterial Culture, Blood (LAB2516) testing. When a blood culture bottle signals positive, a Gram stain is performed and reported, and the appropriate PLEX test (BCN or BCP) is automatically added, incurring an additional charge. The following comment will be added to the positive blood culture, "PLEX Blood Culture (GP or GN) ID panel ordered. See the PLEX results for more identification information." PLEX testing will be performed, and only detected analytes will appear in the report. If no targets are identified, the following comment will be added, "No target organism was detected by the DiaSorin PLEX assay. Identification of organism pending." There will be 2 reports - one for the PLEX results and one for the blood culture with final identification(s) and susceptibility results, if indicated.

Testing will be performed from 7:00 a.m. to 11:30 p.m. for the first positive blood culture per patient, using either the BCN (Gram Negative) or BCP (Gram Positive) PLEX assay based on Gram stain morphology. For patients with multiple positive blood cultures, the PLEX assay will be repeated every three days as long as the Gram morphology remains unchanged. Organism identification and susceptibility testing will continue to be performed using solid media. In Epic, PLEX results will appear directly beneath the corresponding blood culture result:

**Results: Bacterial Culture, Blood (Order 7000348528)**

Status: Edited Result - FINAL (Collected: 2/27/2026 7:38)

Critical !!

**Order Tracking**

Ordered  
2/27 7:38

Collected  
2/27 7:38

Received in Lab  
2/27 7:38  
UVMHC LAB

Final Result (Corrected)  
3/2 7:00

**Result Read / Acknowledged**

No acknowledgement history exists for this order.

**BACTERIAL CULTURE, BLOOD** Order: 7000348528

Status: Edited Result - FINAL Next appt: None Dx: Encounter for other general examination  
 Test Result Released: Yes (not seen)  
 Specimen Information: Blood, Venous

0 Result Notes

ⓘ Newer results are available. Click to view them now.

**Organism ID** Streptococcus agalactiae (Group B) !!

Penicillin and ampicillin are the drugs of choice for treating beta-hemolytic Streptococcal infections. Susceptibility testing will not be performed.

Resulting Agency: UVMHC LAB

Specimen Collected: 02/27/26 7:38 Last Resulted: 03/02/26 7:00

[Lab Flowsheet](#) [Order Details](#) [View Encounter](#) [Lab and Collection Details](#) [Routing](#) [Result History](#)  
[View All Conversations on this Encounter](#)

**Related Results**

● PLEX BLOOD CULTURE GRAM POSITIVE Final result 2/27/2026

**Result Care Coordination**

[Patient Communication](#)

● Released X Not seen [Back to Top](#)

**PLEX BLOOD CULTURE GRAM POSITIVE** Order: 7000348536 - Reflex for Order 7000348528

**UVM Medical Center**  
Pathology & Laboratory Medicine

**Location**  
111 Colchester Ave.  
Burlington, VT 05401

**Lab Customer Service**  
802-847-5121  
800-991-2799

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**PLEX BLOOD CULTURE GRAM POSITIVE** Order: 7000348536 - Reflex for Order 7000348528

Status: Final result Next appt: None Dx: Encounter for other general examination  
 Test Result Released: Yes (not seen)  
 Specimen Information: Blood, Venous

0 Result Notes

Component: Streptococcus agalactiae (Group B) 3 d ago  
 Ref Range & Units: Not Detected  
 Resulting Agency: UVM/MC LAB

Specimen Collected: 02/27/26 7:38 Last Resulted: 02/27/26 10:45

Related Results: BACTERIAL CULTURE, BLOOD Edited Result - FINAL 2/27/2026

### Flow sheet view

Blood Culture:

	2/27/2026
Organism ID	<b>Streptococcus agalactiae (Group B) !!</b>

PLEX Result:

	Latest Ref Rng & Units	2/27/2026
Streptococcus agalactiae (Group B)	Not Detected	<b>Detected !</b>

### New Panels

1. The BCN (Gram Negative) assay detects the following organisms:

- Enterobacteriaceae/Morganellaceae
- Acinetobacter baumannii
- Acinetobacter spp
- Citrobacter spp
- Enterobacter spp
- Escherichia coli
- Haemophilus influenzae
- Klebsiella oxytoca
- Klebsiella pneumoniae

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- Klebsiella variicola
- Morganella morganii
- Neisseria meningitidis
- Proteus spp
- Pseudomonas aeruginosa
- Pseudomonas spp
- Salmonella spp
- Serratia marcescens
- Stenotrophomonas maltophilia

2. The BCN assay detects the following resistance markers:

- CTX-M (ESBL)
- IMP (Carbapenemase)
- KPC (Carbapenemase)
- NDM (New Delhi metallo beta lactamase)
- OXA (Oxacillinase)
- VIM (Verona metallo beta lactamase)
- MCR (mobilized colistin resistance)
- SME (Serratia marcescens enzyme)

3. The BCP (Gram Positive) assay detects the following organisms:

- Bacillus spp
- Enterococcus faecalis
- Enterococcus faecium
- Listeria spp
- Staphylococcus spp
- Staphylococcus aureus
- Staphylococcus epidermidis
- Staphylococcus lugdunensis
- Streptococcus spp
- Streptococcus agalactiae
- Streptococcus anginosus group
- Streptococcus pneumoniae
- Streptococcus pyogenes

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#### Test Build Information

Initial Order	Epic Code	Atlas Code	Mayo Test ID	Order LOINC	CPT Code(s)
Bacterial Culture, Blood	LAB2516	BRC	FAH5264	600-7	87040

New Test (not orderable)	Epic Code	Atlas Code	Mayo Access ID	Order LOINC	CPT Code(s)
Plex Blood Culture Gram Positive	LAB17902	LAB17902	FAH6237	88262-1	87154
Result Component(s):	Epic Code	Atlas Code	Mayo Access ID	Result LOINC	Notes
Methicillia Resistant Staphylococcus Aureus	12301021455	12301021455	FAH6267	in process	
Staphylococcus Epidermidis Methicillin Resistant	12301021469	12301021469	FAH6269	in process	
Staphylococcus Epidermidis Methicillin Susceptible	12301021470	12301021470	FAH6270	in process	
Staphylococcus Coagulase Negative	12301021456	12301021456	FAH6268	in process	
Vancomycin Resistant Enterococcus Faecalis	12301021457	12301021457	FAH6271	in process	
Vancomycin Resistant Enterococcus Faecium	12301021458	12301021458	FAH6272	in process	
Bacillus Species	12301021429	12301021429	FAH6273	in process	
Enterococcus Faecalis	12301018741	12301018741	FAH6274	88256-3	
Enterococcus Faecium	12301018742	12301018742	FAH6275	88257-1	
Listeria Species	12301021430	12301021430	FAH6276	88265-4	
Staphylococcus Spp.	12301018744	12301018744	FAH6277	88272-0	
Staphylococcus Aureus	12301018745	12301018745	FAH6278	88269-6	
Staphylococcus Epidermidis	12301018746	12301018746	FAH6279	88270-4	
Staphylococcus Lugdunensis	12301018747	12301018747	FAH6280	88271-2	
Streptococcus Spp.	12301018748	12301018748	FAH6281	88277-9	
Streptococcus Agalactiae (Group B)	12301018749	12301018749	FAH6282	88273-8	
Streptococcus Anginosus Group	12301021431	12301021431	FAH6283	88274-6	
Streptococcus Pneumoniae	12301018750	12301018750	FAH6284	88275-3	
Streptococcus Pyogenes (Group A)	12301018751	12301018751	FAH6285	88276-1	
Plex ID Growth	12301021463	12301021463	FAH6266	59464-8	

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New Test (not orderable)	Epic Code	Atlas Code	Mayo Access ID	Order LOINC	CPT Code(s)
Plex Blood Culture Gram Negative	LAB17901	LAB17901	FAH6236	88260-5	87154
Result Component(s):	Epic Code	Atlas Code	Mayo Access ID	Result LOINC	Notes
CTX-M	12301018731	12301018731	FAH6239	88250-6	
IMP	12301018732	12301018732	FAH6240	85498-4	
KPC	12301018733	12301018733	FAH6241	49617-4	
NDM	12301018737	12301018737	FAH6242	73982-1	
OXA-48-LIKE	12301018738	12301018738	FAH6243	85827-4	
SME	12301021442	12301021442	FAH6244	in process	
VIM	12301018740	12301018740	FAH6245	85501-5	
MCR-1	12301018734	12301018734	FAH6246	86221-9	
Acinetobacter Baumannii	12301021443	12301021443	FAH6247	in process	
Acinetobacter Species	12301021444	12301021444	FAH6248	88244-9	
Citrobacter Species	12301021445	12301021445	FAH6249	88254-8	
Enterobacter Species	12301021447	12301021447	FAH6250	88255-5	
Escherichia Coli	12301018756	12301018756	FAH6251	88258-9	
Haemophilus Influenzae	12301018763	12301018763	FAH6252	in process	
Klebsiella Oxytoca	12301018758	12301018758	FAH6253	88263-9	
Klebsiella Variicola	12301021448	12301021448	FAH6255	in process	
Klebsiella Pneumoniae Group	12301018759	12301018759	FAH6254	in process	
Morganella Morganii	12301021449	12301021449	FAH6256	in process	
Neisseria Meningitidis	12301018764	12301018764	FAH6257	in process	
Proteus Spp.	12301018760	12301018760	FAH6258	88267-0	
Pseudomonas Aeruginosa	12301018765	12301018765	FAH6259	88268-8	
Pseudomonas Species	12301021450	12301021450	FAH6260	in process	
Enterobacteriaceae/Morganellaceae	12301021450	12301021450	FAH6261	in process	
Salmonella Spp.	12301018761	12301018761	FAH6262	in process	
Serratia Marcescens	12301018762	12301018762	FAH6263	in process	
Stenotrophomonas Maltophilia	12301018766	12301018766	FAH6264	in process	
Plex ID Growth	12301021463	12301021463	FAH6265	59464-8	

For questions or concerns about these changes, please contact the Medical Director of Clinical Microbiology, Dr. Christina Wojewoda ([christina.wojewoda@uvmhealth.org](mailto:christina.wojewoda@uvmhealth.org)).

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