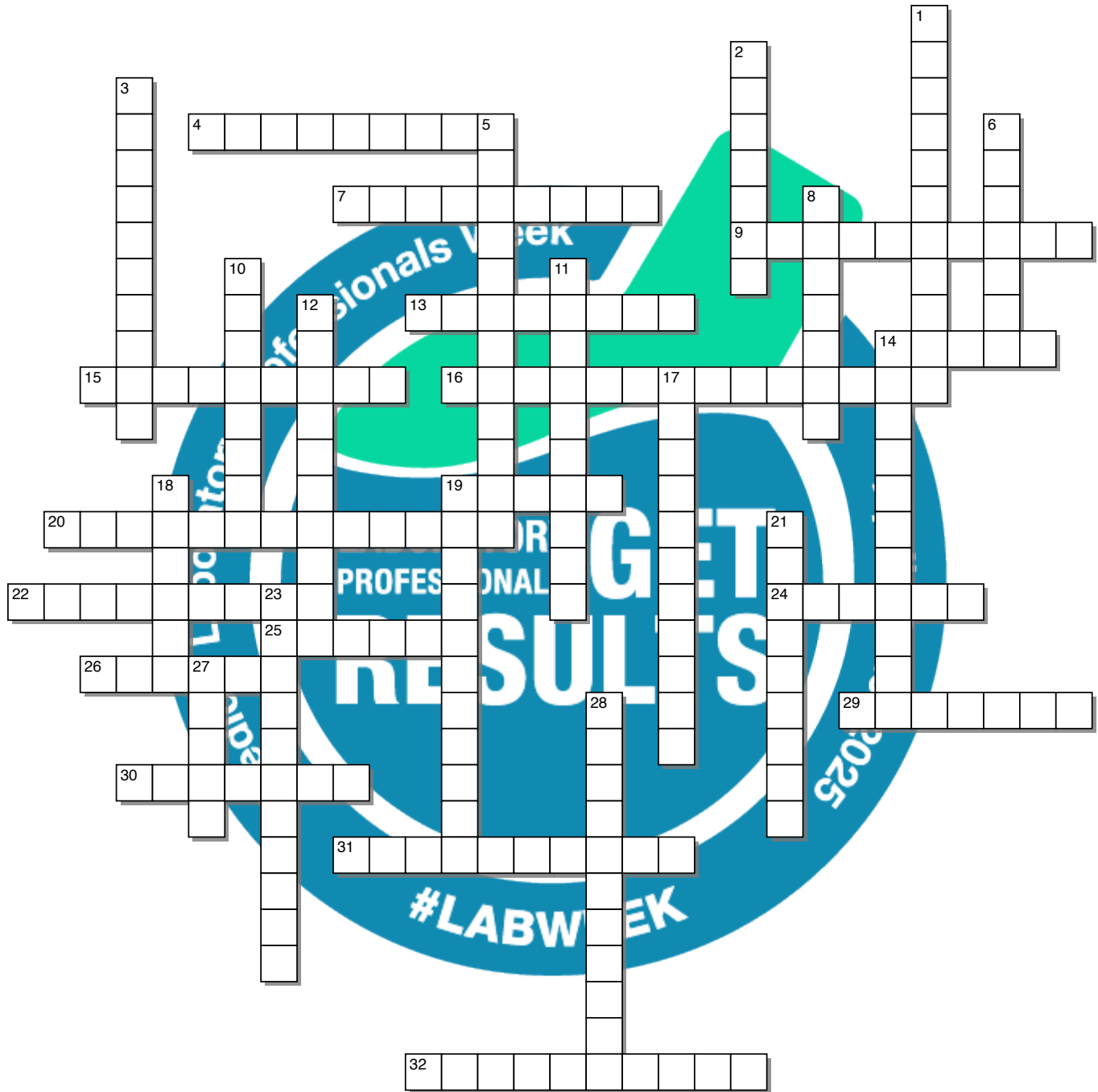


# 2025 LAB WEEK - ASM CROSSWORD CHALLENGE



### Across

4. The group name of fungi- significant for containing pathogens- that grow in a mycelial or yeast phase depending on temperature.

7. *Pseudomonas aeruginosa* usually produces this blue-green pigment.

9. An Ixodes species known for transmitting Lyme and Babesiosis diseases.

13. This beta-hemolytic streptococci species can cause rheumatic fever.

14. X-factor is needed for the synthesis of cytochrome C in certain fastidious bacteria. Another name for X-factor is...

15. This species of Pasteurella is the most common cause of soft tissue infections after bites or scratches from dogs and cats.

16. Pink eye can be caused by viruses, bacteria, fungus and irritants. Another name for pink eye is...

19. Commonly known as pubic or crab lice. The scientific name is Pthirus.

20. This species of Listeria can be a cause of meningitis, especially in immunocompromised individuals.

22. This species of *Clostridium* is responsible for antibiotic-induced pseudomembranous colitis.

24. African sleeping sickness is transmitted by the bite of this vector fly.

25. Cutaneous Anthrax will characteristically produce a black...

26. Brucella are small fastidious gram-negative bacilli that phenotypically produce a large amount of this enzyme.

29. This mycobacterial species causes infections when a person is exposed to an

infected fish or contaminated aquarium water.

30. Short strands of nucleotides that bind to the template DNA in PCR are called...

31. The tissue morphological form of Leishmania.

32. This enzyme will produce new DNA strands utilizing existing strands as templates. It is called DNA...

### Down

1. *Giardia intestinalis* is a protozoan that is in this group.

2. All members of Enterobacterales are negative for the presence of this enzyme.

3. This species of Plasmodium is responsible for black water fever.

5. India ink prep can be used to detect the thick cell wall that is characteristic of this yeast genus.

6. This haemophilus species is a major cause of non-sexually transmitted cutaneous ulcers.

8. Trypanosoma cruzi is transmitted by this vector bug.

10. An artificial media that is selective for gram-negative rods and differential for lactose fermentation.

11. Dutch microbiologist considered to be the father of virology.

12. Nalidixic acid is the first of this class of synthetic antibiotics and is used in CNA to inhibit gram-negative rods. The class is...

14. An extra-intestinal aggressively pathogenic amoeba species.



17. Resistance to this class of antibiotics in gram-negative rods is important to detect for treatment and epidemiological reasons.

18. In the Gram stain procedure, this chemical acts as a mordant and is called Gram's...

19. This *Clostridium* species will characteristically produce a double zone of hemolysis.

21. This species of *Clostridium* produces one of the deadliest toxins known to man.

23. Commonly regarded as the father of microbiology.

27. This species of *Candida* is known for its multi-resistance to antifungals and is therefore of great concern in healthcare facilities.

28. *Treponema palladium* is described as a gram-negative...

Crossword created by Wilson Vientos, M.S., MT(ASCP)SM, Connecticut VA Healthcare System & Quinnipiac University.

