

**2021 Senior Division  
Toss Up Questions  
Set 1**

1. What is the predominant class of immunoglobulins found in bovine colostrum?
2. What hormone is supplemented in cattle to induce superovulation?
3. What do producers administer in order to stimulate an animal's immune system to produce antibodies?
4. What is the condition being described by the thickened or jagged ring of keratin around the teat end?
5. What term is defined as "the addition of vitamins to milk"?
6. What vitamin functions to coagulate blood?
7. What does the acronym SPC stand for in relation to milk quality?
8. What percent of heifers born twin to a bull are sterile?
9. Somatic cells are a more common name for which immune system cells?
10. Which breed organization sponsors the "Pot-of-Gold" sale and production contest?
11. *Mycobacterium paratuberculosis* is the name of the organism responsible for what disease?
12. What is the basic unit of inheritance?

13. In regards to dairy beef, what does REA stand for?
14. The Madigan squeeze procedure mimics what natural process in cattle?
15. In what season is ringworm most prevalent?
16. What is the more scientific name for the disease in cattle known as circling disease?
17. What does CIP stand for with regards to cleaning of milking equipment?
18. Double 6 tandem, double 12 parallel and 60 stall rotary are all examples of what?
19. What is the earliest a calf can be born in order to be in a Fall calf class?
20. A case of laminitis is most often preceded by which metabolic disorder?