

**13.12.2022:**

There was a total of 7 questions on the 13.12.2022. The first six were a few questions asked per individual entry, and the last 7 was some kind of multiple choice test where you kind of have to say true/false, but some questions were a bit odd, so I had to add an explanation.

I do not remember the exact questions, but just from memory:

- What is a primary cell culture? How is it obtained? How is a cell line obtained?
- What is subcultivation? What kind of vessels are used here? Why is it important?
- What is cell differentiation? Can it be reversed?
- Say that you wish to track fluorescent proteins. How would you go about it?
- Characteristics of adherent cells.
- Do stem cells proliferate indefinitely?
- What is transient transfection? How is it done? Advantages and disadvantages of this approach?

As said, these are not the 1:1 questions but by and large that was it for most parts. Some questions were fairly succinct e. g. the cell differentiation. I recommend to also learn the glossary/definition and write that down 1:1 onto the exam question answer. I think this is what they may want to hear first and foremost. I also recommend to watch a few cell culture videos - many steps will become logical once you see what they do there and the videos also help you remember this when you have to describe it from memory.