Lab Quiz #3



Name:

SDS-PAGE
1. Give two factors that influence migration distance in gel electrophoresis. (5 points)
- protein notecular weight
-size of poes in gel
2. What is the purpose of adding sodium dodecyl sulfate to the sample buffer? (2 points)
It makes the sample buffer's consistency
3. The upper gel is called the Stacking but which has a loval pore size relative to the lower gel, which is called the sample buffer. (3 points)
4. What is the substance that is actually polymerized to form the SDS-PAGE gels? Briefly describe the resulting polymer's structure. (5 points)
Sodium dodery I sulfate
5. What roles do the ammonium persulfate and the TEMED play in the polymerization reaction? (4 points)
They speed up the reaction what else?
6. What are the benefits and the downsides of the two main types of stains we use on SDS-PAGE gels? (6 points)
- coomassie blue + silver stain
- coomassie is easier unite silver is
harder but you can see less
with cooperation The stains don't always
correctly highly ht the proteins in the
meaning un close.
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