Yeast cell immobilization

1. Weigh 4 g PVA, 0.5g sodium alginate and 2.0 g silica in a 100mL beaker. Add 25mL distilled water to stir well and swelling in boiling water bath for 15 min. Solution A was obtained.
2. Take a 50mL beaker, add 10mL *Saccharomyces cerevisiae* suspension and 15mL distilled water, stir well, and get solution B.
3. After the liquid A is cooled, uniformly mix the liquid B and the liquid A to obtain liquid C.
4. Weigh 3.5 g boric acid and 2 g calcium chloride in a 100mL beaker. Add 100mL distilled water to stir well. Solution D was obtained.
5. Vertically inject the Solution C into Solution D solution with a syringe, gently stirred, and then solidified for 3 hours.