Device test

Aim of the experiments

1. Detect the content of four fluoresceins in the sample.
2. Measure the kinetic curve of fluorescein with one to four wavelengths specified.

Materials

- Filter paper (25*25mm)
- Sample (requires uniform distribution)
- Two slides
- Parafilm
- TF card
- The Detector

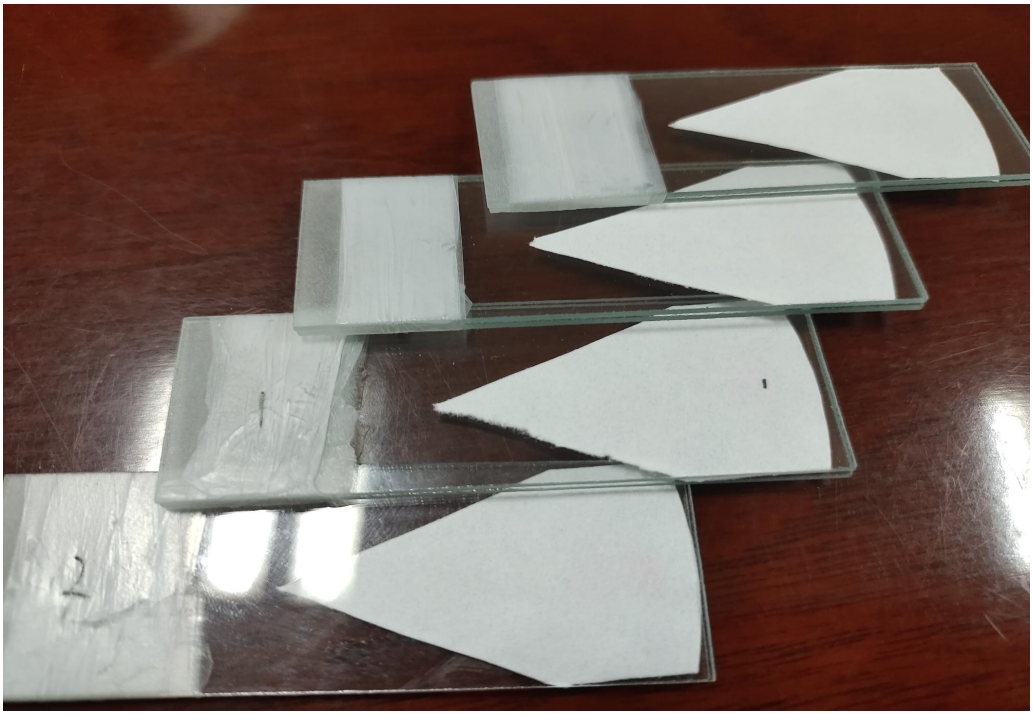
Procedure

1. Drop 10-20ul sample on the center of a 25*25mm square filter paper (the effective detection range is a circular area with the center of the square paper as the center and a diameter below 12mm).

2. Clamp the filter paper between two glass slides so that the three sides of the square filter paper coincide with the edge of the glass slide so that the center of the sample is in the center of the light path.

3. Delete all TXT files in the memory card, and insert the memory card into the device card slot.

4. Use a Parafilm to fix the two glass slides together to ensure that the filter paper will not slide relative to each other. Note that the sealing film does not block the light path.



6. Power on the device and start reading.

7. When the specified response time is reached, cut off the power.

8. Take out the TF card, you can see that there are 4 txt files inside, corresponding to the signals returned by the four sets of filters.

9. Put these four groups of data on the Excel table, further process, modify, and get the result.

Note

1. The sample is required to be evenly distributed.

2. The spot diameter of the water drop should be less than 12mm, otherwise it will cause waste and increase fluctuation.

3. Before each use, you must delete the data.TXT file in the TF card.