ESI Video 2

False Positive: The first droplet should go downwards to the sorting channel and it was going accordingly. The next droplet was not equally spaced and was supposed to go upwards to the waste channel. But the second one merged with the first one and created the false positive situation.

False Negative: The droplet is supposed to go downwards to the sorting channel. First it got split because of the following droplet generating the next pulse before it got sorted (less than 500ms gap in between). Some part of it went to the waste channel and creating a false negative situation.

Splitting: The following droplet entered detection point before the droplet in the sorting point moved to the waste channel. But the droplet was about to move to the waste and the sorting side pulse occurred and split the droplet into a little portion that moved towards sorting channel instead of the waste channel.