

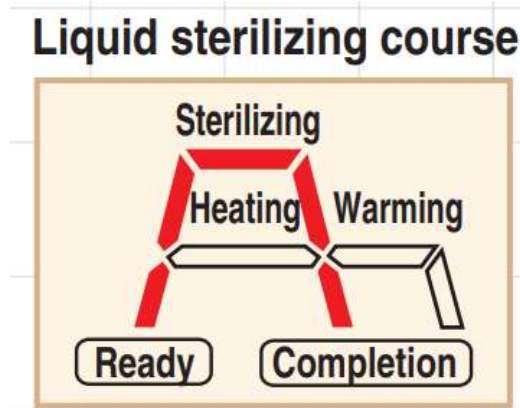
# Are you choosing the right sterilizing program?

Sterilization is an indispensable part of the experiment when a large number of culture samples are required. TOMY autoclave provides users with a variety of programs to choose from. How to choose to better improve the efficiency of the experiment? There are also astonishing functions waiting for you~



## 1. Liquid sterilizing program

Taking the common LB medium as an example, after pouring the medium with proper pH into the bottle, then choose the liquid sterilizing program, which usually takes longer time.



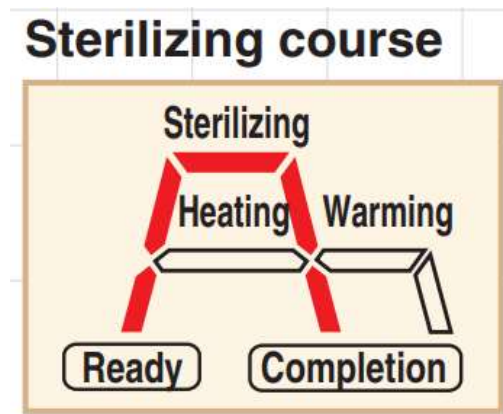
That is because the exhausting and cooling speed of liquid sterilizing course is zero.  
Why?

If any of you have encountered such a situation——You are urgent to use medium, but the temperature of the freshly sterilized medium is too high to use. So you just put the

medium under cold water to cool down. At this moment, a "pop" sound was heard, and the bottle of medium was scrapped—it cannot be used anymore. This phenomenon is called sudden boiling. We need to avoid a sudden drop in temperature when sterilizing liquids.

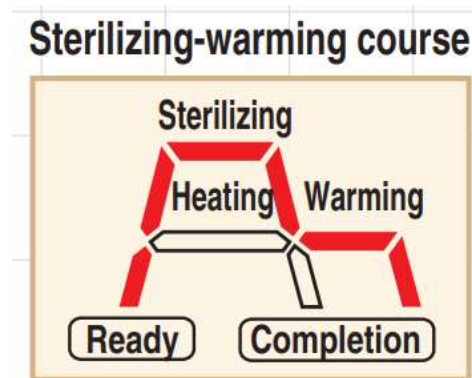
## 2. Sterilizing program

When the sterilized items are mainly solid, such as blue cap bottles, conical bottles, petri dishes, cell spreaders and pipette tips, we can choose the normal sterilizing program of which the exhausting and cooling speed will be much faster than liquid sterilization.



## 3. Sterilizing-warming course

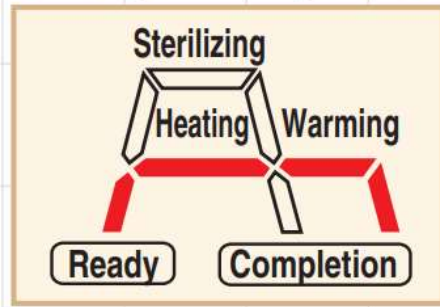
This feature is very friendly for those who do not have time to take bottles out in time after sterilization. The medium with agar can be kept warm in a TOMY autoclave after sterilization is complete. (Press and hold FUNCTION to manually adjust the holding time as needed)



## 4. Heating-warming program

What shall we do if the oven is full? This function of the TOMY autoclave may be little known: dissolving medium and keeping it warm. In this course, the autoclave will heat and dissolve the medium first and then enter the heat preservation program. (Press and hold FUNCTION to manually adjust the holding time as needed)

## Heating-warming course



Correctly selecting the sterilization courses helps improve efficiency of the experiment and maintenance of the autoclave.