

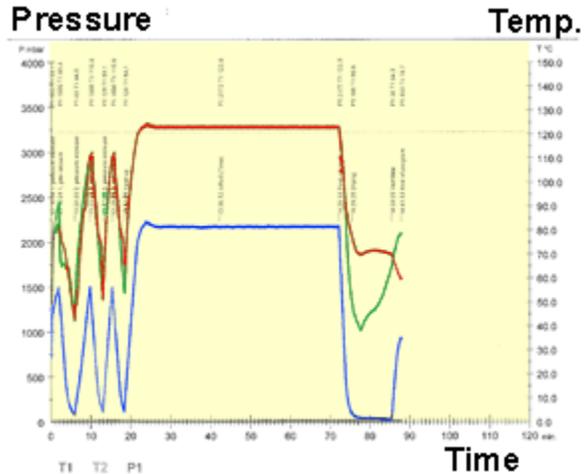
Work procedure for the Belimed

Login

A login name and password is required in order to operate the autoclave. The following groups have such a login (and own contact person): Microbiology, Plant Genetics and Molecular Plant Physiology, Experimental Plant Ecology, Cellular biology (FNWI), Animal Cellular Physiology, Biophysical Chemistry, Biology practical courses, and the company Modiquest.

Use of the Belimed autoclave

1. **Switch on** the autoclave (Stand "On" or OP1)
2. **Login**. For example. User name: 48 Password: 48mb
3. Select a **program** (see examples here below)
4. For a **Batch program** the next items need to be entered (Example follows):
Batch: Department name, e.g. Micro
Article description: Which type of goods will be sterilized, eg. GMO ML1
Text: Your name, e.g. Wim
5. After filling all data the door can be **opened** and the device can be **loaded**.
6. There are two temperature sensors in the autoclave. If you want to use "Sterilisation dry" ("Sterilisatie droog") or "Destruction dry" ("Destructie droog") the sensors should be placed against the innerwall of the autoclave. For the "Sterilization wet" (Sterilisatie nat") procedure, the same sensors need to be put in a glass flask filled with water (a kind of dummie) with the same volume as the biggest volume that will be sterilized. The sensors are very **expensive (!)**: so be careful not to damage them with the door or with the trailer.
7. Now the door can be closed and the program can be **started**
8. One should **log off** after starting the device



Prog.	Name	Conditions	What	DT [min]
P1	Lektest (1)	Lektest	Done by assistants	± 20
P2	Ster. Droog	15 min. 121°C	Pipet tips	± 60
P3	Ster. Nat 1L	15 min. 121°C	1L bottles	± 120
P4	Ster. Nat 20L	15 min 121°C	20L bottles/flasks	± 220
P5	Ster. Nat 115 °C	30 min 115 °C		± 110
P6	Ster. Nat 120 min.	120 min. 121°C	Soil samples	± 200
P7	Destr. Droog (2)	30 min. 121°C	Petri dishes	± 70
P8	Destr. Nat 1L (2)	30 min. 121°C	1L bottles	± 190
P9	Destr. Nat 20L (2)	30 min 121°C	20L bottles	± 270
1001	Grond sterilisatie	30 min 121°C	Soil 15 cm deep	± 80

(1) The test program P1 (Vak. Lektest.) is performed once a week

(2) **Remark:** For the destruction programs for **solid trash (Destructie droog)** one should use **special autoclave-compatible buckets. Leave the cover open!!** The cover can be closed after sterilization in order to dispose of the trash. For fluids (Destructie nat) one should always use a reference glass flask (1 of 20 L) filled with at least the same volume as the largest bottle to sterilize, **NEVER USE PLASTIC BOTTLES FOR THIS PURPOSE!** Bottles should be loosely closed (to allow exit of vapour) during the sterilization process.