

Calesca Warmer

Standard

All breast milk needing to be warmed or thawed will have the procedure carried out in a safe manner, by personnel who are competent in the technique.








Equipment

Correct breast milk for baby, correct Medela disposable insert (see note 1), Calesca warming/thawing device.








Device descriptions



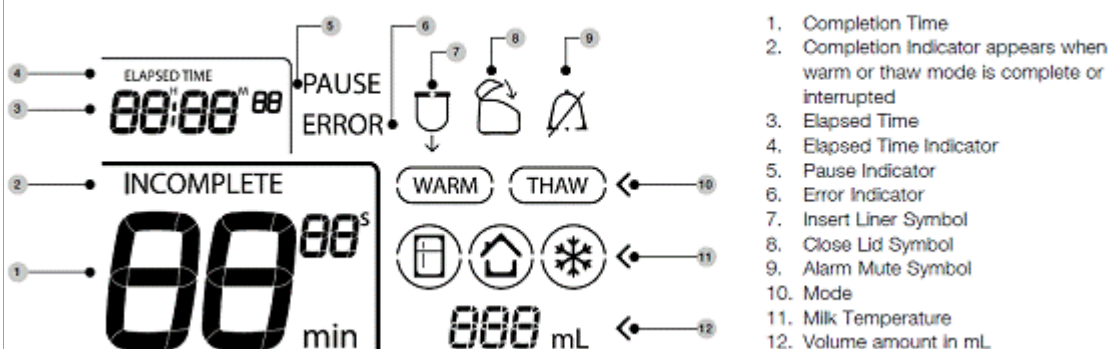
Button description

 On/Off	 Stop	 Start	 Audible indicator Mute
 Left arrow, to select	 Right arrow, to select		 Enter

Operation description

Select mode	 Warming mode	 Thawing mode
Warming or thawing from	 Room-Temperature ~20°C  Fridge-Temperature ~4°C  Freeze-Temperature ~-20°C	 Freeze-Temperature ~-20°C
Quantity selection	 mL	


LCD display



Procedure

- Cleanse hands according to the NNU policy.
- Remove milk from the fridge or freezer. Note - milk must be completely frozen before starting the thaw cycle.
- Estimate warming/thawing time (see note 2).

Preparation

- The device should be cleaned before use with detergent/disinfectant wipes (see note 3).
- Allow to air dry before use.
- Following cleaning, plug the device into a socket and press the on/off button 

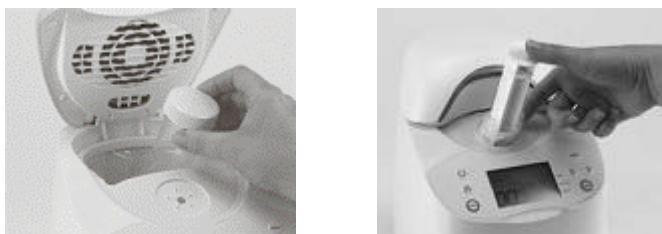
Open the lid.

- Expand the Insert prior to placing it into the device.
- Bend the Insert at the hinge and place it into position.
- Spread out the bag portion of the Insert
- Place the tray, flat-side down, into the bottom of the Insert.










The milk container

- Take a note of how much milk is in the bottle/syringe.
- Ensure the lid on the milk bottle or the cap on the syringe is closed and secure. Place the bottle on the centre of the tray in the Insert and close the lid.
- If using a syringe close the lid to the device.
- Place the syringe tip into the hole of the Insert and push the barrel downwards until the flange of the syringe is flat against the Insert face.



Warming mode

To be used for single feeds only. **Once milk is warmed it cannot be replaced into the fridge.**

- When the device is first switched on it will default to the WARM mode shown as  on the LCD display
- Press ENTER 
- Select starting temperature of milk e.g. fridge, room, frozen by using the arrow keys  (The device will default to the milk starting temperature as being fridge)
- Press ENTER 
- Select the volume in the bottle or syringe by using the arrow keys, '<' >', (right = increasing, left = decreasing). If you hold down the right arrow, it will begin to increase in increments of 10ml.
- Once you have the correct volume, press ENTER 
- The screen will flash the information entered and display the completion time.
- If the information is correct, press the START button 
- If the information is incorrect, press the STOP button  and repeat the setup steps.





Completion of warming cycle

- When warming is complete, the indicator light will flash green and an alarm will sound.
- The device will automatically go into a holding cycle for up to 30 minutes.
- The indicator light will continue to flash green and the alarm will sound every 5 minutes.

Pause buttons

- If during warming or the holding phase the lid is opened the device will pause for 60 seconds and the indicator light will flash orange.
- If the syringe or bottle is placed back into the unit, the START button can be pressed, and the cycle will continue to completion. If the 60 seconds is exceeded, the unit will reset.
- On completion of the holding phase the unit will beep every 15 seconds until the milk is retrieved.

Thawing mode

- When first switched on the device initially defaults to the warm mode. Press the right arrow to show thaw mode. (A starting temperature of frozen will show when the thaw mode is chosen)
- Press ENTER 
- Use the arrows to enter the volume of milk to be thawed (right = increases, left = decreases). If you hold down the right arrow, it will begin to increase in increments of 10ml.
- Once the required volume is reached, press ENTER 
- The screen will flash the information entered; if it is correct, press START , if incorrect, press STOP  and repeat the steps.

Completion of thawing cycle

- When thawing is complete, the warming action will switch off **but** the indicator light will continue to flash green and the unit will beep every 15 seconds until the milk is retrieved.
- The milk will not be completely thawed and should be placed in the fridge to complete the process. Milk may be kept for 24 hours once placed in the refrigerator.

Pause buttons

- If during warming/thawing or the holding phase the lid is opened the device will pause for 60 seconds and the indicator light will flash orange.
- If the syringe or bottle is placed back into the unit, the START button can be pressed, and the cycle will continue to completion. If the 60 seconds is exceeded, the unit will reset.
- On completion of the holding phase the unit will beep every 15 seconds until the milk is retrieved.

Timers

- The timers will show how long the milk has been warming/thawing for and how long the milk has been in the device altogether.
- If the lid is opened during the warming/thawing cycle, the unit will pause for 60 seconds and the indicator light will flash orange.
- If the syringe or bottle is placed back into the unit, the START button can be pressed, and the cycle will continue to completion. If the 60 seconds is exceeded, the unit will reset.

Potential complications

- Warming mode - the device is designed to warm milk from refrigerator temperature (approximately 4°C). If the milk contains any ice at the beginning of the cycle the final milk temperature will fall below the designated range of the device.
- Thawing mode - the device is designed to thaw milk from freezer temperature (approximately -20°C). If the milk contains any liquid at the beginning of the cycle the final milk temperature will fall above the designated range of the device.
- The device may operate inaccurately if the Inert is incorrectly installed.

Note

1. When using the warming/thawing device for the first time:

- Remove a new, unused disposable 'Insert' from the plastic bag.
- Label the Insert with baby's surname, date of birth, ID number and current date with a permanent marker.
- The Insert must be:
 - stored in a zip lock bag which is kept at baby's cotside
 - changed every shift or sooner if there is spillage of breast milk onto the Insert or visible damage e.g. tears

2. The following table will give the times for warming and thawing according to starting temperature and volume

	Warming/Thawing Device			
	Room temperature	Warm Refrigerator	Freezer	Thaw Freezer
10ml	4m 19s	6m 25s	29m 12s	12m 25s
20ml	4m 48s	7m 36s	34m 03s	14m 17s
30ml	5m 04s	8m 16s	37m 06s	15m 22s
40ml	5m 16s	8m 41s	38m 38s	16m 09s
50ml	5m 28s	9m 06s	40m 10s	16m 56s
60ml	5m 40s	9m 31s	41m 42s	17m 43s
70ml	5m 52s	9m 56s	43m 14s	18m 30s
80ml	6m 04s	10m 21s	44m 46s	19m 17s
90ml	6m 16s	10m 46s	46m 18s	20m 04s
100ml	6m 28s	11m 11s	47m 50s	20m 51s
110ml	6m 40s	11m 36s	49m 22s	21m 38s
120ml	6m 52s	12m 01s	50m 54s	22m 25s
130ml	7m 04s	12m 26s	52m 26s	23m 12s
140ml	7m 16s	12m 51s	53m 58s	23m 59s
150ml	7m 28s	13m 16s	55m 30s	24m 46s
160ml	7m 40s	13m 41s	57m 02s	25m 33s
170ml	7m 52s	14m 06s	58m 34s	26m 20s
180ml	8m 04s	14m 31s	60m 06s	27m 07s
190ml	8m 16s	14m 56s	61m 38s	27m 54s
200ml	8m 28s	15m 21s	63m 10s	28m 41s
210ml	8m 40s	15m 46s	64m 42s	29m 28s
220ml	8m 52s	16m 11s	66m 14s	30m 15s
230ml	9m 04s	16m 36s	67m 46s	31m 02s
240ml	9m 16s	17m 01s	69m 18s	31m 49s
250ml	9m 28s	17m 26s	70m 50s	32m 36s

3. Unplug the appliance from the mains before cleaning it. Do not submerge the appliance or soak electrical parts with water. Liquid should not be poured directly into or onto the device. Clean the device before every use and afterwards with detergent/disinfectant wipe.