

## CoolBox

- Benchtop system for cooling or freezing samples without ice, electricity or batteries
- Consists of a base, an isothermal cartridge and a lid
- Suitable for different sample sizes and temperatures
- Compatible with dry ice, CoolRack or CoolSink

### CoolBox XT Starter



- Open platform with only one base
- The insulated cartridge must be placed in a -20°C freezer for at least 12 hours beforehand and then inserted at the base

- After removal from the freezer, the cartridge should be placed on the bench for approximately 10-15 minutes until it reaches a temperature of +1°C (temperature indicator on the cartridge), then inserted at the base

- Supplied with one cartridge

Cat. No.	Dimensions (mm)	Description	€ Excl. VAT
830248	163 x 121 x 61	Coolbox XT Starter purple	NC -

#### Single items

Cat. No.	Description	€ Excl. VAT
830249	CoolBox XT Starter only	NC -
830148	Cooling cartridge	NC -

#### Packs Coolbox XT Starter purple complete + CoolRack

Cat. No.	CoolRack included	€ Excl. VAT
830250	XT Starter PCR 96	NC -

### CoolBox 30



- The cooling cartridge must first be placed in a -20°C freezer for at least 4 hours (6 hours for the freezing cartridge) and then inserted at the base

- Once removed from the freezer the cartridge should be placed on the bench for approximately 10-15 minutes until the frost on the surface begins to melt, then inserted at the base

Temperature	Cold source	Without lid	With lid
+0.5 °C to +4 °C	Cooling cartridge	4 hrs	10 hrs
-20 °C to 0 °C	Freezing cartridge	3 hrs	6 hrs
-78 °C	200 ml dry ice	4 hrs	5 hrs

- Supplied with one cooling cartridge

Model	Ext/int Dimensions W x D x H* (mm)	Violet	Green	Orange	€ Excl. VAT
CoolBox 30	165 x 152.5 x 152.5 x 127 / 120 x 104 x 79	830000	830001	830002	NC -

#### Cooling cartridges

Cat. No.	Description	Units/box	€ Excl. VAT/box
830090	Freezing cartridge	3	NC -

#### Packs Coolbox 30 purple complete + CoolRack

Cat. No.	CoolRack included	€ Excl. VAT
830006	M30	NC -
830014	CFT30	NC -

Model	CoolBox XT Starter	CoolBox XT and 2XT	CoolBox 30
Compatibility	Tubes and plates	Tubes and plates	Tubes
0.5 °C - 4 °C without lid	4 hrs	10 hrs	4 hrs
0.5 °C - 4 °C with lid	-	16 hrs	10 hrs
< 0 °C without lid	-	5 hrs	3 hrs
< 0 °C with lid	-	8 hrs	6 hrs

### CoolBox XT and 2XT

- The insulated cartridge must be placed in a -20°C freezer for at least 12 hours beforehand and then inserted at the base
- The freezing cartridge can be placed in a -80 °C freezer to reduce the start-up time (place at least 6 h at -80 °C) and increase the freezing time
- The cooling cartridge, once removed from the freezer, should be placed on the bench for approximately 10-15 minutes until a temperature of 1°C is reached (temperature indicator on the cartridge)

Temperature	Cold source	Without lid	With lid
+0.5 °C to +4 °C	Cooling cartridge XT cooling	10 hrs	16 hrs
-20 °C to 0 °C	Freezing cartridge XT freezing	5 h (8 h*)	8 h (12 h*)
-78 °C	200 ml dry ice	4 hrs	5 hrs

\* By placing the cartridge at -80 °C beforehand



- Supplied with XT cooling cartridge (1 for XT models and 2 for 2XT models)

Model	Ext./int. Dim. W x D x H* (mm)	Violet	Green	Orange	Pink	€ Excl. VAT
CoolBox XT	200 x 160 x 150 / 140 x 94 x 99	830144	830133	830145	830139	NC -
CoolBox 2XT	265 x 200 x 150 / 210 x 143 x 134	830146	830137	830147	830138	NC -

\* internal height with cartridge

- Extension neck to increase the height of the CoolBox XT and 2XT when using high tubes.



Model	Violet	Green	Orange	Pink	€ Excl. VAT
CoolBox XT	830163	830164	830165	830166	NC -
CoolBox 2XT	830167	830168	830169	830170	NC -

#### Cooling cartridges XT



Cat. No.	Description	€ Excl. VAT
830148	Cooling cartridge XT cooling	NC -
830134	Freezing cartridge XT freezing	NC -

#### Packs CoolBox XT and 2XT green complete

Cat. No.	Coolbox model	CoolRack included	€ Excl. VAT
830157		XT M24	NC -
830154	CoolBox XT	XT PCR96	NC -
830155		XT M24	NC -
830158	CoolBox 2XT	XT M24 and PCR96	NC -