

Energy Efficiency

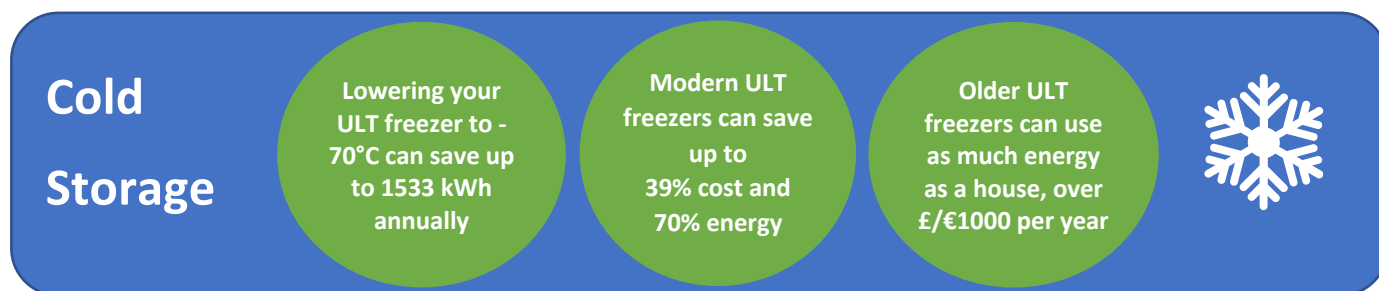
Equipment and Instruments

Cold Storage

Introduction

Thermo Fisher Scientific is committed to continuous improvement as we fulfil our Mission to **enable our customers to make the world healthier, cleaner and safer**. With environmental sustainability now a major consideration in our professional and personal lives, it has become increasingly important for the Fisher Scientific channel to provide data enabling you make the **most appropriate purchasing choices for your laboratory**.

Industrial electrical equipment represents a significant financial investment and performs an important role in your capabilities. Furthermore, it requires an ongoing supply of electricity which **impacts your scope 2 greenhouse gas emissions**. This is especially true for cold storage devices that refrigerate, freeze and provide long term storage for your samples 24 hours a day. This equipment is designed to last many years **so making the correct choice is important**. Traditional factors like performance, quality, functionality and value remain important, but this guide focuses on providing a **league table of energy efficiency**.



How does the guide work?

The following pages contain several tables **grouped by product family**. Within each table, the data is listed according to the **relative energy efficiency of each model**, adjusted for size, from most energy efficient to least energy efficient. The value used is **kWh/L/day** which describes how much energy is used, per litre of chamber size, per day. The lower the figure, the better.

What about other savings?

Energy efficient cold storage equipment reduces greenhouse gas emissions and other environmental impacts associated with energy consumption, but also offers several other advantages:

- **Lower energy bills** due to reduced electricity consumption
- **Greater reliability** due to reduced component workload
- **Consistent temperatures** providing ideal sample conditions
- **Reduced maintenance** lowers upkeep cost over time

Green Solutions program

This series of Energy Efficiency guides are part of our **Green Solutions** suite of products and services designed to help laboratories across Europe **reduce the environmental impact of their operations**. Sustainable laboratory purchases are now required by scientists, investors, and funding organisations alike. These are strong incentives to make environmentally friendly equipment choices where possible. At Thermo Fisher Scientific we experience this challenge in our many laboratories across the world and believe that making the best choice must be supported by **convenient and clear information**. To discover all products and services available in the Green Solutions program please visit eu.fishersci.com/go/green-solutions.

Blood Bank Refrigerators

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
15777708	DAI1115	ARCTIKO	BBR 300 Blood Bank Refrigerator	352	5.2	0.0148

Cryogenic Freezers

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
15419753	F660320001	EPENDORF	CryoCube FC660h Freezer, 230V	660	9.0	0.0136

Flammable Material Refrigerators

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
11548954	RLCF2120	LABCOLD	FRYSBOX 607L	607	1.5	0.0025
11538954	RLCF1520	LABCOLD	FRYSBOX 447L	447	1.3	0.0029
11528954	RLCF0720	LABCOLD	FRYSBOX 215L	215	0.7	0.0033
15722778	RLPR0517	LABCOLD	RLPR0517 Sparkfree 150L	150	1.1	0.0073

Combination Fridge Freezers

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
13568890	LCEXV 4030	LIEBHERR	LAB COMBINED ATEX 373L	373	1.8	0.0048

Laboratory Freezers

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
12557056	GGPV 6570	LIEBHERR	Professional Negative Cabinet 601L	601	0.5	0.0008
12067619	LPGP 1466	LIEBHERR	FREEZER 106L PLAIN DOOR GP1466	106	0.5	0.0042
12597136	GP 1376	LIEBHERR	FREEZER 101L 4 DRAWERS	101	0.5	0.0050
15588229	LGPv 8420	LIEBHERR	Laboratory Freezer LGPv 8420	856	4.8	0.0056
12938604	GGPv 1470	LIEBHERR	Freezer GGPv1470 upright	1470	9.1	0.0062
12527166	GX 823	LIEBHERR	Mini Freezer GX823, 68L	68	0.5	0.0074
11866363	070TS50100	FRYKA	UPRIGHT FREEZER 100L -10/-50°C	100	2.0	0.0195
15349774	080TUS50100 L	FRYKA	UNDERBENCH FREEZER 100L -10/-50°	100	2.0	0.0195
10630366	050B3550	FRYKA	Tablefreezer, 35 liters, -10 to -50°C	35	1.7	0.0486
10270292	050B3020	FRYKA	COLD BOX 30L -20/ 10°C	30	1.6	0.0533
10097101	050B3585	FRYKA	COLD BOX 35L -50/-85°	35	3.4	0.0971

Laboratory Refrigerators

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
12110162	GKPV 6570	LIEBHERR	SS VENT. REFRIGERATOR 650L	650	1.1	0.0017
17269240	MRFVD5501WX	LIEBHERR	PROFESSIONAL FRIDGE 544L	544	1.1	0.0019
12004682	GKPV 1470	LIEBHERR	SS VENT. REFRIGERATOR 1380L	1427	2.8	0.0020
17279240	MRFVD5511WX	LIEBHERR	PROFESSIONAL FRIDGE GLASS DOOR 569L	569	1.5	0.0026
17249240	MRFVD4001WX	LIEBHERR	PROFESSIONAL FRIDGE 377L	377	1.1	0.0029
15953680	GKV 5790	LIEBHERR	Refrigerator GKV 5790 upright, 586L	583	1.8	0.0031
12078281	GKv 5730	LIEBHERR	Refrigerator GKV 5730 upright, 583L	583	1.8	0.0031
17229240	MRFVD3501WX	LIEBHERR	PROFESSIONAL FRIDGE 327L	327	1.0	0.0031
15220469	Lkexv 2600	LIEBHERR	Spark-Free interior, Lab Fridge 240L	240	0.8	0.0033
15289076	LFKV 3913	LIEBHERR	REFRIGERATOR VENTILATED GLAZED 360L	360	1.3	0.0037
17259240	MRFVD4011WX	LIEBHERR	PROFESSIONAL FRIDGE GLASS DOOR 400L	400	1.6	0.0039
12567146	TX 1021	LIEBHERR	TABLE TOP FRIDGE 92L	92	0.4	0.0039
17239240	MRFVD3511WX	LIEBHERR	PROFESSIONAL FRIDGE GLASS DOOR 347L	347	1.5	0.0042
11317941	GKv 4310	LIEBHERR	REFRIGERATOR GKV4310 UPRIGHT, FORCED AIR	434	2.0	0.0047
12154752	LFKU 1610	LIEBHERR	REFRIGERATOR TABLETOP 141L	141	0.7	0.0053

Pharmacy Refrigerators

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
13206999	MKv 3910	LIEBHERR	PHARMACY REFRIGERATOR 361L	361	0.8	0.0022
12938614	RPFR44043	LABCOLD	Refrigerator RFFR44042 advanced	1245	3.6	0.0029
12908614	RPF44043	LABCOLD	Refrigerator RPF44042 advanced	1245	3.6	0.0029
12948614	RPF21043	LABCOLD	Refrigerator RPF21043 advanced	571	2.4	0.0043

Ultra-Low Temperature Chest Freezers

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (KWh/L/day)
17397669	L003337	LAUDA	EU-Plug VERSAFREEZE VF 75040 C	754	7.0	0.0093
17317689	L003360	LAUDA	UK-Plug VERSAFREEZE VF 75040 C	754	7.0	0.0093
17337699	L003384	LAUDA	CH-Plug VERSAFREEZE VF 75040 C	754	7.0	0.0093
17387669	L003336	LAUDA	EU-Plug VERSAFREEZE VF 55040 C	556	6.0	0.0108
17307689	L003359	LAUDA	UK-Plug VERSAFREEZE VF 55040 C	556	6.0	0.0108
17327699	L003383	LAUDA	CH-Plug VERSAFREEZE VF 55040 C	556	6.0	0.0108
15773425	F660321001	EPPENDORF	CryoCube FC660h Freezer EU-plug	660	8.1	0.0123
15783425	F660322001	EPPENDORF	CryoCube FC660h Freezer EU-plug	660	8.1	0.0123
15793425	F660323001	EPPENDORF	CryoCube FC660h Freezer EU-plug	660	8.1	0.0123
15703435	F660324001	EPPENDORF	CryoCube FC660h Freezer EU-plug	660	8.1	0.0123
15713435	F660325001	EPPENDORF	CryoCube FC660h Freezer EU-plug	660	8.1	0.0123
17328623	F660320007	EPPENDORF	FC660h 230V, Swiss plug	660	8.1	0.0123
17327679	L003340	LAUDA	EU-Plug ULTRA LOW TEMPERATURE	754	11.8	0.0156
17347689	L003363	LAUDA	UK-Plug ULTRA LOW TEMPERATURE	754	11.8	0.0156
17367699	L003387	LAUDA	CH-Plug ULTRA LOW TEMPERATURE	754	11.8	0.0156
15722829	F740320012	EPPENDORF	CryoCube F740hi ULT GB-plug	740	11.6	0.0157
15830620	F740320032	EPPENDORF	Cryocube F740hi 5/DL/a 230V GB	740	11.6	0.0157
15823262	F740320022	EPPENDORF	CryoCube F740hi ULT GB-plug	740	11.6	0.0157
17317679	L003339	LAUDA	EU-Plug ULTRA LOW TEMPERATURE	556	9.7	0.0174
17337689	L003362	LAUDA	UK-Plug ULTRA LOW TEMPERATURE	556	9.7	0.0174
17357699	L003386	LAUDA	CH-Plug ULTRA LOW TEMPERATURE	556	9.7	0.0174
11309894	U9400-0001	EPPENDORF	Innova VIP C585 ULT Freezers	585	13.6	0.0232
17377669	L003335	LAUDA	EU-Plug VERSAFREEZE VF 20040 C	205	7.0	0.0341
17397679	L003358	LAUDA	UK-Plug VERSAFREEZE VF 20040 C	205	7.0	0.0341
17317699	L003382	LAUDA	CH-Plug CHEST FREEZER LAUDA VERSAFREEZE VF 20040 C	205	7.0	0.0341

17307679	L003338	LAUDA	EU-Plug ULTRA LOW TEMPERATURE	205	11.2	0.0546
17327689	L003361	LAUDA	UK-Plug ULTRA LOW TEMPERATURE	205	11.2	0.0546
17347699	L003385	LAUDA	CH-Plug ULTRA LOW TEMPERATURE	205	11.2	0.0546
16556034	ULT25NEU	GLOBAL COOLING	Portable ULT Freezer ULT25NEU	25	2.8	0.1120

Ultra-Low Temperature Upright Freezers

Fisher Item Code	Manufacturer Item Code	Manufacturer	Item Description	Capacity (L)	Energy (kWh/day)	Efficiency (kWh/L/day)
17122976	F571340031	EPPENDORF	CryoCube F570h, air-cooled, EU/GB plug	570	4.9	0.0086
17142976	F571341031	EPPENDORF	CryoCube F570h, air-cooled, w/chart recorder, EU/G	570	4.9	0.0086
17162976	F571342031	EPPENDORF	CryoCube F570h, air-cooled, w/CO2 backup, EU/GB pl	570	4.9	0.0086
17182976	F571343031	EPPENDORF	CryoCube F570h, air-cooled, w/LN2 backup, EU/GB pl	570	4.9	0.0086
17102986	F571344031	EPPENDORF	CryoCube F570h, air-cooled, w/chart recorder and C	570	4.9	0.0086
17122986	F571345031	EPPENDORF	CryoCube F570h, air-cooled, w/chart recorder and L	570	4.9	0.0086
17192966	F571303031	EPPENDORF	CryoCube F570n, air-cooled, w/LN2 backup, EU/GB pl	570	5.1	0.0089
17102976	F571304031	EPPENDORF	CryoCube F570n, air-cooled, w/chart recorder and C	570	5.1	0.0090
17112976	F571305031	EPPENDORF	CryoCube F570n, air-cooled, w/chart recorder and L	570	5.1	0.0090
17132976	F571340131	EPPENDORF	CryoCube F570hw, water-cooled, EU/GB plug	570	5.3	0.0093
17152976	F571341131	EPPENDORF	CryoCube F570hw, water-cooled, w/chart recorder, E	570	5.3	0.0093
17172976	F571342131	EPPENDORF	CryoCube F570hw, water-cooled, w/CO2 backup, EU/GB	570	5.3	0.0093
17192976	F571343131	EPPENDORF	CryoCube F570hw, water-cooled, w/LN2 backup, EU/GB	570	5.3	0.0093
17112986	F571344131	EPPENDORF	CryoCube F570hw, water-cooled, w/chart recorder an	570	5.3	0.0093
17132986	F571345131	EPPENDORF	CryoCube F570hw, water-cooled, w/chart recorder an	570	5.3	0.0093
17162966	F571300031	EPPENDORF	CryoCube F570n, air-cooled, EU/GB plug	570	5.7	0.0100
17172966	F571301031	EPPENDORF	CryoCube F570n, air-cooled, w/chart recorder, EU/G	570	5.8	0.0102
17182966	F571302031	EPPENDORF	CryoCube F570n, air-cooled, w/CO2 backup, EU/GB pl	570	5.9	0.0104
17238489	F440340031	EPPENDORF	CryoCube F440h, 230V/50Hz, EU/UK	440	4.8	0.0109
17248489	F440340037	EPPENDORF	CryoCube F440h, 230V CH	440	4.8	0.0109
17258489	F440341031	EPPENDORF	CryoCube F440h, CR, 230V/50Hz, EU/UK	440	4.8	0.0109

17268489	F440341037	EPPENDORF	CryoCube F440h, CR 230V CH	440	4.8	0.0109
17278489	F440342031	EPPENDORF	CryoCube F440h, CO2, 230V/50Hz, EU/UK	440	4.8	0.0109
17288489	F440342037	EPPENDORF	CryoCube F440h, CO2 230V CH	440	4.8	0.0109
17298489	F440343031	EPPENDORF	CryoCube F440h, LN2, 230V/50Hz, EU/UK	440	4.8	0.0109
17208499	F440343037	EPPENDORF	CryoCube F440h, LN2 230V CH	440	4.8	0.0109
17218499	F440344031	EPPENDORF	CryoCube F440h, CR CO2, 230V/50Hz, EU/UK	440	4.8	0.0109
17228499	F440344037	EPPENDORF	CryoCube F440h, CR CO2 230V CH	440	4.8	0.0109
17238499	F440345031	EPPENDORF	CryoCube F440h, CR LN2, 230V/50Hz, EU/UK	440	4.8	0.0109
17248499	F440345037	EPPENDORF	CryoCube F440h, CR LN2 230V CH	440	4.8	0.0109
17357679	L003343	LAUDA	EU-Plug VERSAFREEZE VF 70040	731	8.0	0.0109
17377689	L003366	LAUDA	UK-Plug VERSAFREEZE VF 70040	731	8.0	0.0109
17397699	L003390	LAUDA	CH-Plug VERSAFREEZE VF 70040	731	8.0	0.0109
15983042	9020-0348	BINDER	ULT Freezer UFV700	700	8.1	0.0116
16454479	9020-0350	BINDER	UFV700-230V-W with water cooling	700	8.1	0.0116
17347679	L003342	LAUDA	EU-Plug VERSAFREEZE VF 60040	583	7.5	0.0129
17367689	L003365	LAUDA	UK-Plug VERSAFREEZE VF 60040	583	7.5	0.0129
17387699	L003389	LAUDA	CH-Plug VERSAFREEZE VF 60040	583	7.5	0.0129
17218479	F440300031	EPPENDORF	CryoCube F440n, 230V/50Hz, EU/UK	440	5.7	0.0130
17228479	F440300037	EPPENDORF	CryoCube F440n, 230V CH	440	5.7	0.0130
17238479	F440301031	EPPENDORF	CryoCube F440n, CR, 230V/50Hz, EU/UK	440	5.7	0.0130
17248479	F440301037	EPPENDORF	CryoCube F440n, CR 230V CH	440	5.7	0.0130
17258479	F440302031	EPPENDORF	CryoCube F440n, CO2, 230V/50Hz, EU/UK	440	5.7	0.0130
17268479	F440302037	EPPENDORF	CryoCube F440n, CO2 230V CH	440	5.7	0.0130
17278479	F440303031	EPPENDORF	CryoCube F440n, LN2, 230V/50Hz, EU/UK	440	5.7	0.0130
17288479	F440303037	EPPENDORF	CryoCube F440n, LN2 230V CH	440	5.7	0.0130
17298479	F440304031	EPPENDORF	CryoCube F440n, CR CO2, 230V/50Hz, EU/UK	440	5.7	0.0130
17208489	F440304037	EPPENDORF	CryoCube F440n, CR CO2 230V CH	440	5.7	0.0130
17218489	F440305031	EPPENDORF	CryoCube F440n, CR LN2, 230V/50Hz, EU/UK	440	5.7	0.0130
17228489	F440305037	EPPENDORF	CryoCube F440n, CR LN2 230V CH	440	5.7	0.0130
17398603	F571340037	EPPENDORF	CryoCube F570h, 230V/50Hz, CH, Swiss plug	570	7.4	0.0130
17318613	F571341037	EPPENDORF	CryoCube F570h, 230V/50Hz, CR, CH, Swiss plug	570	7.4	0.0130
17338613	F571342037	EPPENDORF	CryoCube F570h, 230V/50Hz, CO2, CH, Swiss plug	570	7.4	0.0130
17358613	F571343037	EPPENDORF	CryoCube F570h, 230V/50Hz, LN2, CH, Swiss plug	570	7.4	0.0130
17378613	F571344037	EPPENDORF	CryoCube F570h, 230V/50Hz, CR CO2, CH, Swiss plug	570	7.4	0.0130
17398613	F571345037	EPPENDORF	CryoCube F570h, 230V/50Hz, CR LN2, CH, Swiss plug	570	7.4	0.0130
17308613	F571340137	EPPENDORF	CryoCube F570hw, 230V/50Hz, CH, Swiss plug	570	8.0	0.0140

17328613	F571341137	EPPENDORF	CryoCube F570hw, 230V/50Hz, CR, CH, Swiss plug	570	8.0	0.0140
17348613	F571342137	EPPENDORF	CryoCube F570hw, 230V/50Hz, CO2, CH, Swiss plug	570	8.0	0.0140
17368613	F571343137	EPPENDORF	CryoCube F570hw, 230V/50Hz, LN2, CH, Swiss plug	570	8.0	0.0140
17388613	F571344137	EPPENDORF	CryoCube F570hw, 230V/50Hz, CR, CO2, CH, Swiss plug	570	8.0	0.0140
17308623	F571345137	EPPENDORF	CryoCube F570hw, 230V/50Hz, CR, LN2, CH, Swiss plug	570	8.0	0.0140
15703409	F740320011	EPPENDORF	CryoCube F740hi, 740 L, left, 3 shelves, 230 V/50	740	10.5	0.0142
15922381	F740320021	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15932381	F740320031	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15942381	F740320041	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15952381	F740320042	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15922401	F740322011	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15932401	F740322012	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15942401	F740322021	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15952401	F740322022	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15962401	F740322031	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15972401	F740322032	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15982401	F740322041	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15992401	F740322042	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15942411	F740323011	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15952411	F740323012	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15962411	F740323021	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15972411	F740323022	EPPENDORF	CryoCube F740hi ULT Freezer, 3 compartments	740	10.5	0.0142
15982411	F740323031	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15992411	F740323032	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15902421	F740323041	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
15912421	F740323042	EPPENDORF	CryoCube F740hi ULT Freezer, 5 compartments	740	10.5	0.0142
17338623	F740320017	EPPENDORF	CryoCube F740hi 3/DL/a 230V CH, Swiss plug	740	10.5	0.0142
17348623	F740320027	EPPENDORF	CryoCube F740hi 3/DR/a 230V CH, Swiss plug	740	10.5	0.0142
17358623	F740320037	EPPENDORF	CryoCube F740hi 5/DL/a 230V CH, Swiss plug	740	10.5	0.0142
17368623	F740320047	EPPENDORF	CryoCube F740hi 5/DR/a 230V CH, Swiss plug	740	10.5	0.0142

15962381	F740320111	EPPENDORF	CryoCube F740hiw ULT Freezer, 3 compartments	740	10.6	0.0143
15972381	F740320112	EPPENDORF	CryoCube F740hiw ULT Freezer, 3 compartments	740	10.6	0.0143
15982381	F740320131	EPPENDORF	CryoCube F740hiw ULT Freezer, 5 compartments	740	10.6	0.0143
15992381	F740320132	EPPENDORF	CryoCube F740hiw ULT Freezer, 5 compartments	740	10.6	0.0143
15902411	F740322111	EPPENDORF	CryoCube F740hiw ULT Freezer, 3 compartments	740	10.6	0.0143
15912411	F740322112	EPPENDORF	CryoCube F740hiw ULT Freezer, 3 compartments	740	10.6	0.0143
15922411	F740322131	EPPENDORF	CryoCube F740hiw ULT Freezer, 5 compartments	740	10.6	0.0143
15932411	F740322132	EPPENDORF	CryoCube F740hiw ULT Freezer, 5 compartments	740	10.6	0.0143
15922421	F740323111	EPPENDORF	CryoCube F740hiw ULT Freezer, 3 compartments	740	10.6	0.0143
15932421	F740323112	EPPENDORF	CryoCube F740hiw ULT Freezer, 3 compartments	740	10.6	0.0143
15942421	F740323131	EPPENDORF	CryoCube F740hiw ULT Freezer, 5 compartments	740	10.6	0.0143
15952421	F740323132	EPPENDORF	CryoCube F740hiw ULT Freezer, 5 compartments	740	10.6	0.0143
17378623	F740320117	EPPENDORF	CryoCube F740hiw 3/DL/w 230V CH, Swiss plug	740	10.6	0.0143
17388623	F740320137	EPPENDORF	CryoCube F740hiw 5/DL/w 230V CH, Swiss plug	740	10.6	0.0143
17338603	F571300037	EPPENDORF	CryoCube F570n, 230V/50Hz, CH, Swiss plug	570	8.3	0.0146
17348603	F571301037	EPPENDORF	CryoCube F570n, 230V/50Hz, CR, CH, Swiss plug	570	8.3	0.0146
17358603	F571302037	EPPENDORF	CryoCube F570n, 230V/50Hz, CO2, CH, Swiss plug	570	8.3	0.0146
17368603	F571303037	EPPENDORF	CryoCube F570n, 230V/50Hz, LN2, CH, Swiss plug	570	8.3	0.0146
17378603	F571304037	EPPENDORF	CryoCube F570n, 230V/50Hz, CR CO2, CH, Swiss plug	570	8.3	0.0146
17388603	F571305037	EPPENDORF	CryoCube F570n, 230V/50Hz, CR LN2, CH, Swiss plug	570	8.3	0.0146
15901102	9020-0347	BINDER	UFV500 Ultra low temperature freezer with vacuum	500	7.9	0.0158
16444479	9020-0349	BINDER	UFV500-230V-W with water cooling	500	7.9	0.0158
17398623	F740340017	EPPENDORF	F740h 3/DL/a 230V CH, Swiss plug	740	11.8	0.0159
17308633	F740340027	EPPENDORF	F740h 3/DR/a 230V CH, Swiss plug	740	11.8	0.0159
17318633	F740340037	EPPENDORF	F740h 5/DL/a 230V CH, Swiss plug	740	11.8	0.0159
17328633	F740340047	EPPENDORF	F740h 5/DR/a 230V CH, Swiss plug	740	11.8	0.0159
17387679	L003346	LAUDA	EU-Plug ULTRA LOW TEMPERATURE	731	15.5	0.0212
17307699	L003369	LAUDA	UK-Plug ULTRA LOW TEMPERATURE	731	15.5	0.0212
17327709	L003393	LAUDA	CH-Plug ULTRA LOW TEMPERATURE	731	15.5	0.0212
17377679	L003345	LAUDA	EU-Plug ULTRA LOW TEMPERATURE	583	13.5	0.0232
17397689	L003368	LAUDA	UK-Plug ULTRA LOW TEMPERATURE	583	13.5	0.0232
17317709	L003392	LAUDA	CH-Plug ULTRA LOW TEMPERATURE	583	13.5	0.0232

17348633	U535310007	EPPENDORF	Innova U535 230V, Swiss plug	535	13.2	0.0247
15778559	DAI1377	ARCTIKO BASE	Upright Ultra Low Temp ULUF550-2M 230V 50Hz	556	16.3	0.0293
17338633	U360310007	EPPENDORF	Innova U360 230V, Swiss plug	360	10.7	0.0297
17337679	L003341	LAUDA	EU-Plug VERSAFREEZE VF 15040	129	5.0	0.0388
17357689	L003364	LAUDA	UK-Plug VERSAFREEZE VF 15040	129	5.0	0.0388
17377699	L003388	LAUDA	CH-Plug VERSAFREEZE VF 15040	129	5.0	0.0388
10743562	080TUS80100	FRYKA	UPRIGHT FREEZER 100L-60/80°C H75CM	100	4.3	0.0430
12669345	080TUS80100 L	FRYKA	UNDERBENCH 100L -50/-85° TACTILE	100	4.3	0.0430
16307355	F101340001	EPPENDORF	CRYOCUBE F101H 230V750HZ EU- plug	101	6.3	0.0624
16309636	F101340002	EPPENDORF	CryoCube F101h, 230V/50 Hz, UK	101	6.3	0.0624
16319636	F101341001	EPPENDORF	CryoCube F101h, CR, 230V/50 Hz, EU	101	6.3	0.0624
16329636	F101341002	EPPENDORF	CryoCube F101h, CR, 230V/50 Hz, UK	101	6.3	0.0624
16339636	F101342001	EPPENDORF	CryoCube F101h, CO2, 230V/50 Hz, EU	101	6.3	0.0624
16349636	F101342002	EPPENDORF	CryoCube F101h, CO2, 230V/50 Hz, UK	101	6.3	0.0624
16359636	F101343001	EPPENDORF	CryoCube F101h, LN2, 230V/50 Hz, EU	101	6.3	0.0624
16369636	F101343002	EPPENDORF	CryoCube F101h, LN2, 230V/50 Hz, UK	101	6.3	0.0624
16379636	F101344001	EPPENDORF	CryoCube F101h, CR, CO2, 230V/50 Hz, EU	101	6.3	0.0624
16389636	F101344002	EPPENDORF	CryoCube F101h, CR, CO2, 230V/50 Hz, UK	101	6.3	0.0624
16399636	F101345001	EPPENDORF	CryoCube F101h, CR, LN2, 230V/50 Hz, EU	101	6.3	0.0624
16309646	F101345002	EPPENDORF	CryoCube F101h, CR, LN2, 230V/50 Hz, UK	101	6.3	0.0624
17328603	F101340007	EPPENDORF	CryoCube F101h, 230V CH, Swiss plug only	101	6.3	0.0624
12770766	DAI-1411	ARCTIKO BASE	ULUF850 (-40/-85°C) Freezer	413	28.8	0.0697
17367679	L003344	LAUDA	EU-Plug ULTRA LOW TEMPERATURE	129	9.3	0.0721
17387689	L003367	LAUDA	UK-Plug ULTRA LOW TEMPERATURE	129	9.3	0.0721
17307709	L003391	LAUDA	CH-Plug ULTRA LOW TEMPERATURE	129	9.3	0.0721
12305913	DAI1410	ARCTIKO BASE	Freezer, MUF40, 35L	35	5.2	0.1486

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