

ESPACE

ESPACE 151 661 liquid and gas phase



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- Large storage capacity for straws, cryo-vials and bags
- MDD 93/42/EEC compliant
- Storage in Gas or Liquid phase
- Easy to use. Immediate access to products and samples thanks to the wide neck opening of the ESPACE
- A variety of electronic options on all models
- 6 year guarantee on the vacuum



liquid phase



gas phase

| ESPACE | | | 151 | 331NC | 331C | 661 |
|---------------------------------------|-------------------|--|-------|--------------------------------------|--------------------------------------|-------|
| CHARACTERISTICS | | | | | | |
| Liquid Nitrogen capacity | l | | 200 | 386 | 386 | 786 |
| | | | 33 | 68 | 68 | 222 |
| Weight full without racks and samples | kg | | 326 | 505 | 545 | 920 |
| | | | 192 | 245 | 285 | 465 |
| Static holding time | d | | 33 | 37 | 37 | 66 |
| | | | 5,5 | 7,5 | 7,5 | 19 |
| Daily evaporation rate | l/d ¹⁾ | | 6 | 9 | 9 | 11,5 |
| Interior diameter | mm | | 538 | 771 ¹⁾ /740 ²⁾ | 771 ¹⁾ /740 ²⁾ | 1,003 |
| Weight empty | kg | | 165 | 190 | 230 | 305 |
| Access height | mm | | 1,205 | 1,172 | 1,172 | 1,355 |
| External height | mm | | 1,350 | 1,310 | 1,310 | 1,505 |
| External width | mm | | 650 | 886 | 932 | 1,150 |
| External depth | mm | | 940 | 1,100 | 1,100 | 1,375 |

1) without rotating tray

2) with rotating tray PT

*) Daily evaporation and static holding time are given for the following conditions: 20°C, 1 013 mb, and vessel is stationary with lid closed. These are nominal values and may vary according to the history of the vessel and the manufacturing tolerances.

Main characteristics include

- Choice of rack storage systems base on product or sample type.
- Specific storage system can also be developed
- ESPACE 331 has the options of being fitted with or without casing and with or without a rotating tray
- Stainless steel construction

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RCB 500 1001 phase liquid et gas phase

- ▶ Large storage capacity for straws, cryo-vials and bags
- ▶ MDD 93/42/EEC compliant
- ▶ Storage in Gas or Liquid phase
- ▶ Low consumption thanks to the narrow neck and opening design which greatly reduces evaporation of Nitrogen
- ▶ Specifically designed for the long term storage of samples and products
- ▶ A variety of electronic options on all models
- ▶ 6 year guarantee on the vacuum



liquid phase



gas phase

Main characteristics include

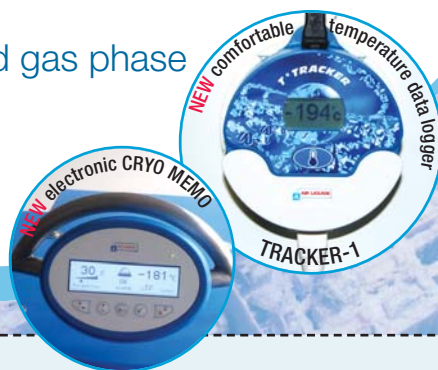
- ▶ Choice of rack storage systems based on product or sample type
- ▶ Specific storage system can also be developed
- ▶ The RCB vessels can also be equipped with a compensated lid for easier use

| RCB | | 500 | 600 | 1000 | 1001 |
|---------------------------------------|-------------------|-------|-------|-------|-------|
| CHARACTERISTICS | | | | | |
| Liquid Nitrogen capacity | l | 500 | 575 | 1 020 | 1,110 |
| | | | 115 | | 280 |
| Weight full without racks and samples | kg | 654 | 735 | 1 239 | 1,641 |
| | | | 337 | | 671 |
| Static holding time | d | 111 | 127 | 127 | 138 |
| | | | 25 | — | 35 |
| Daily evaporation rate | l/d ^{*)} | 4,5 | 4,5 | 8 | 8 |
| Interior diameter | mm | 850 | 850 | 1,150 | 1,150 |
| Weight empty | kg | 250 | 270 | 415 | 445 |
| Access height | mm | 1,260 | 1,440 | 1,300 | 1,377 |
| External height | mm | 1,320 | 1,500 | 1,340 | 1,440 |
| External width | mm | 1,100 | 1,100 | 1,320 | 1,320 |
| External depth | mm | 1,200 | 1,200 | 1,400 | 1,400 |

*) Daily evaporation and static holding time are given for the following conditions: 20°C, 1 013 mb, and vessel is stationary with lid closed. These are nominal values and may vary according to the history of the vessel and the manufacturing tolerances.

ESPACE 151 and 331 with casing

ESPACE liquid and gas phase
with casing



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| OPTIMAL | | | |
|----------------------------------|-----------|---|--|
| ESSENTIAL | | | |
| BASIC with: T° Tracker | T° | INITIAL without racks, with: level & temperature indicator filling security server option second temperature | NT R S 2T |
| | | with: overflow kit output for 4/20 mA & rs485 | D SO |
| | | with: Memo Traceability | M |

liquid phase

gas phase

| ESPACE 151 liquid or gas – without rotating tray (PT) | | | |
|---|-------------------------------------|------|------------------------------|
| | | | 151 |
| BASIC | T° Tracker | | ESP151N-LC-1 |
| INITIAL | NT + R + S + 2T | | ESP151N-LC-2 ESP151N-GC-1 |
| ESSENTIAL | NT + R + S + 2T + D + SO | | ESP151N-LC-5 ESP151N-GC-4 |
| OPTIMAL | NT + R + S + 2T + D + SO + M | | ESP151N-LC-7 ESP151N-GC-6 |

| ESPACE 331 liquid or gas – without rotating tray (PT) | | | |
|---|-------------------------------------|------|--------------------------------|
| | | | 331 |
| BASIC | T° Tracker | | ESP331N-LC-1 |
| INITIAL | NT + R + S + 2T | | ESP331N-LC-3 ESP331N-GC-1 |
| ESSENTIAL | NT + R + S + 2T + D + SO | | ESP331N-LC-9 ESP331N-GC-7 |
| OPTIMAL | NT + R + S + 2T + D + SO + M | | ESP331N-LC-13 ESP331N-GC-11 |

ESPACE liquid



Samples and products
are emerged completely
in liquid Nitrogen.

ESPACE gas



Samples and products
have no contact with liquid
Nitrogen.

ESPACE 331 with rotating tray PT

| ESPACE 331 liquid or gas – with rotating tray (PT) | | | |
|--|-------------------------------------|------|--------------------------------|
| | | | 331 |
| BASIC | T° Tracker | | ESP331N-LC-2 |
| INITIAL | NT + R + S + 2T | | ESP331N-LC-4 ESP331N-GC-2 |
| ESSENTIAL | NT + R + S + 2T + D + SO | | ESP331N-LC-10 ESP331N-GC-8 |
| OPTIMAL | NT + R + S + 2T + D + SO + M | | ESP331N-LC-14 ESP331N-GC-12 |

Other storage configurations are possible, please contact CRYOPAL directly.

ESPACE 331 and 661 without casing



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ESPACE liquid and gas phase without casing

| OPTIMAL | | | |
|---------------------------|----|--|--------------------|
| ESSENTIAL | | | |
| BASIC with: T° Tracker | T° | INITIAL without racks, with: level & temperature indicator filling security server option second temperature | NT R S 2T |
| | | with: overflow kit output for 4/20 mA & RS485 | D SO |
| | | with: Memo Traceability | M |

liquid phase

gas phase

| ESPACE 331 liquid or gas – without rotating tray (PT) | | | 331 |
|---|------------------------------|---------------------------|--------------------------------|
| BASIC | T° Tracker | liquid phase | ESP331N-LNC-1 |
| INITIAL | T + R + S + 2T | liquid phase gas phase | ESP331N-LNC-3 ESP331N-GNC-1 |
| ESSENTIAL | NT + R + S + 2T + D + SO | liquid phase gas phase | ESP331-LNC-9 ESP331-GNC-7 |
| OPTIMAL | NT + R + S + 2T + D + SO + M | liquid phase gas phase | ESP331-LNC-13 ESP331-GNC-11 |

| ESPACE 661 liquid or gas – with rotating tray (PT) | | | 661 |
|--|------------------------------|---------------------------|--------------------------------|
| BASIC | T° Tracker | liquid phase | ESP661N-LNC-1 |
| INITIAL | T + R + S + 2T | liquid phase gas phase | ESP661N-LNC-2 ESP661N-GNC-1 |
| ESSENTIAL | NT + R + S + 2T + D + SO | liquid phase gas phase | ESP661N-LNC-5 ESP661N-GNC-4 |
| OPTIMAL | NT + R + S + 2T + D + SO + M | liquid phase gas phase | ESP661N-LNC-7 ESP661N-GNC-6 |

ESPACE 331 with rotating tray PT

| ESPACE 331 liquid or gas – with rotating tray (PT) | | | 331 |
|--|------------------------------|---------------------------|----------------------------------|
| BASIC | T° Tracker | liquid phase | ESP331N-LNC-2 |
| INITIAL | T + R + S + 2T | liquid phase gas phase | ESP331N-LNC-4 ESP331N-GNC-2 |
| ESSENTIAL | NT + R + S + 2T + D + SO | liquid phase gas phase | ESP331N-LNC-10 ESP331N-GNC-8 |
| OPTIMAL | NT + R + S + 2T + D + SO + M | liquid phase gas phase | ESP331N-LNC-14 ESP331N-GNC-12 |

Other storage configurations are possible, please contact CRYOPAL directly.

ESPACE liquid



Samples and products are emerged completely in liquid Nitrogen.

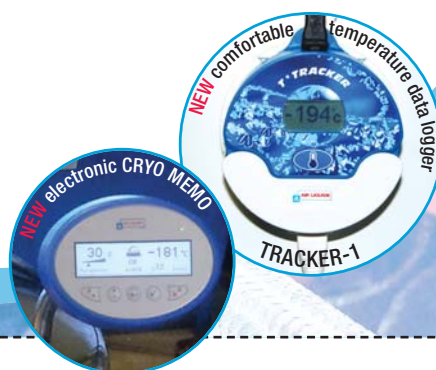
ESPACE gas



Samples and products have no contact with liquid Nitrogen.

RCB 500 and 600

RCB liquid or gas
with rotating tray



| | | |
|---|---|--|
| BASIC with: T° Tracker T° | OPTIMAL | |
| SIMPLE with: standard lid without racks without electronics | ESSENTIAL | |
| | INITIAL without racks, with: compensated lid B level & temperature indicator NT filling security R | with: overflow kit D output for 4/20 mA & RS485 SO |
| | | with: Memo Traceability M |

liquid phase

| RCB 500 liquid – with rotating tray (PT) | | 500 |
|---|--|--------------|
| SIMPLE | | RCB500N-L-1 |
| BASIC T° | | RCB500N-L-3 |
| INITIAL B + NT + R | | RCB500N-L-6 |
| ESSENTIAL B + NT + R + D + SO | | RCB500N-L-12 |
| OPTIMAL B + NT + R + D + SO + M | | RCB500N-L-16 |

liquid phase

| RCB 600 liquid – with rotating tray (PT) | | 600 |
|---|--|--------------|
| SIMPLE | | RCB600N-L-1 |
| BASIC T° | | RCB600N-L-3 |
| INITIAL B + NT + R | | RCB600N-L-6 |
| ESSENTIAL B + NT + R + D + SO | | RCB600N-L-12 |
| OPTIMAL B + NT + R + D + SO + M | | RCB600N-L-16 |

RCB liquid



Samples and products
are emerged completely
in liquid Nitrogen.

RCB gas



Samples and products
have no contact with liquid
Nitrogen.

gas phase

| RCB 600 gas – with rotating tray (PT) | | 600 |
|---|--|--------------|
| INITIAL B + NT + R | | RCB600N-G-2 |
| ESSENTIAL B + NT + R + D + SO | | RCB600N-G-8 |
| OPTIMAL B + NT + R + D + SO + M | | RCB600N-G-12 |

Other storage configurations are possible, please contact CRYOPAL directly.

RCB 1000 and 1001



RCB liquid or gas
with rotating tray

| | |
|---|---|
| BASIC with: T° Tracker T° | OPTIMAL |
| SIMPLE with: standard lid without racks without electronics | ESSENTIAL |
| | INITIAL without racks, with: compensated lid B level & temperature indicator NT filling security R |
| | with: overflow kit D output for 4/20 mA & RS485 SO |
| | with: Memo Traceability M |

liquid phase

| RCB 1000 liquid – with rotating tray (PT) | | 1000 |
|---|--|---------------|
| SIMPLE | | RCB1000N-L-1 |
| BASIC T° | | RCB1000N-L-3 |
| INITIAL B + NT + R | | RCB1000N-L-6 |
| ESSENTIAL B + NT + R + D + SO | | RCB1000N-L-12 |
| OPTIMAL B + NT + R + D + SO + M | | RCB1000N-L-16 |

liquid phase

| RCB 1001 liquid – with rotating tray (PT) | | 1001 |
|---|--|---------------|
| SIMPLE | | RCB1001N-L-1 |
| BASIC T° | | RCB1001N-L-3 |
| INITIAL B + NT + R | | RCB1001N-L-6 |
| ESSENTIAL B + NT + R + D + SO | | RCB1001N-L-12 |
| OPTIMAL B + NT + R + D + SO + M | | RCB1001N-L-16 |

RCB liquid



Samples and products
are emerged completely
in liquid Nitrogen.

RCB gas



Samples and products
have no contact with liquid
Nitrogen.

gas phase

| RCB 1001 gas – with rotating tray (PT) | | 1001 |
|---|--|---------------|
| INITIAL B + NT + R | | RCB1001N-G-2 |
| ESSENTIAL B + NT + R + D + SO | | RCB1001N-G-8 |
| OPTIMAL B + NT + R + D + SO + M | | RCB1001N-G-12 |

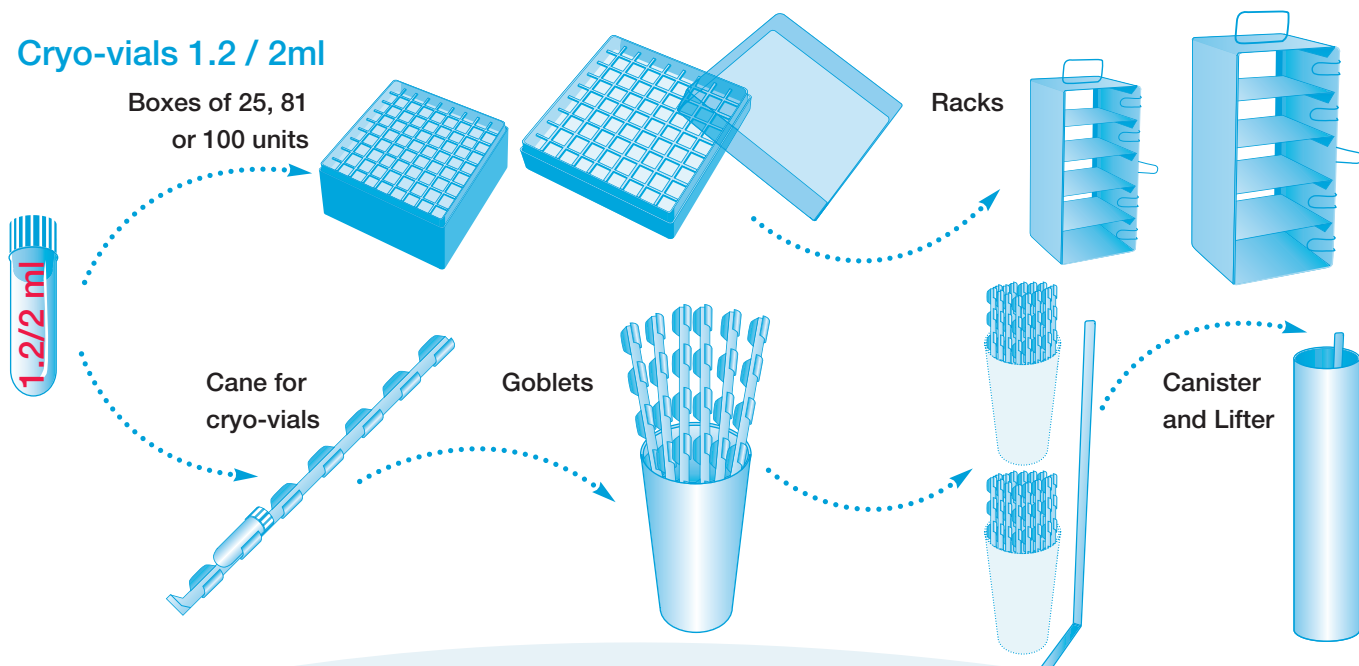
Other storage configurations are possible, please contact CRYOPAL directly.

ESPACE et RCB – Storage systems

Storage systems
cryo-vials 2ml / 5ml

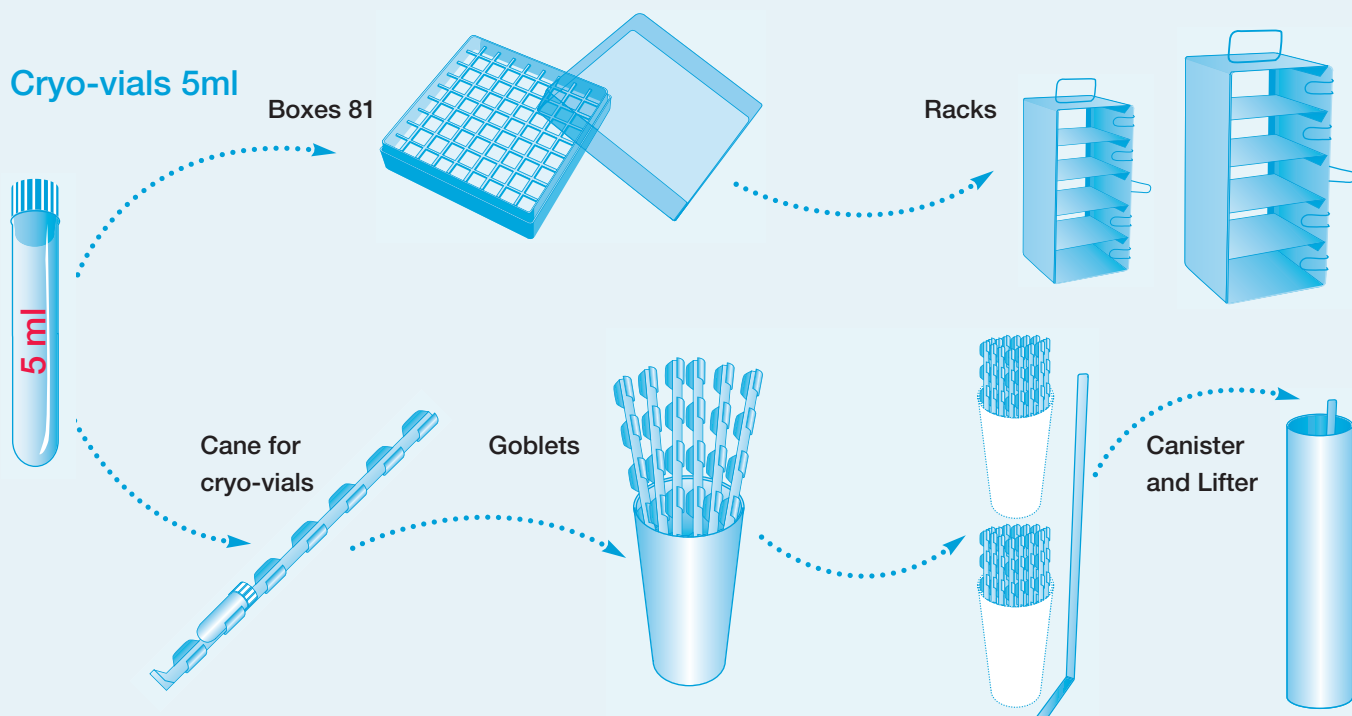
Cryo-vials 1.2 / 2ml

Boxes of 25, 81
or 100 units

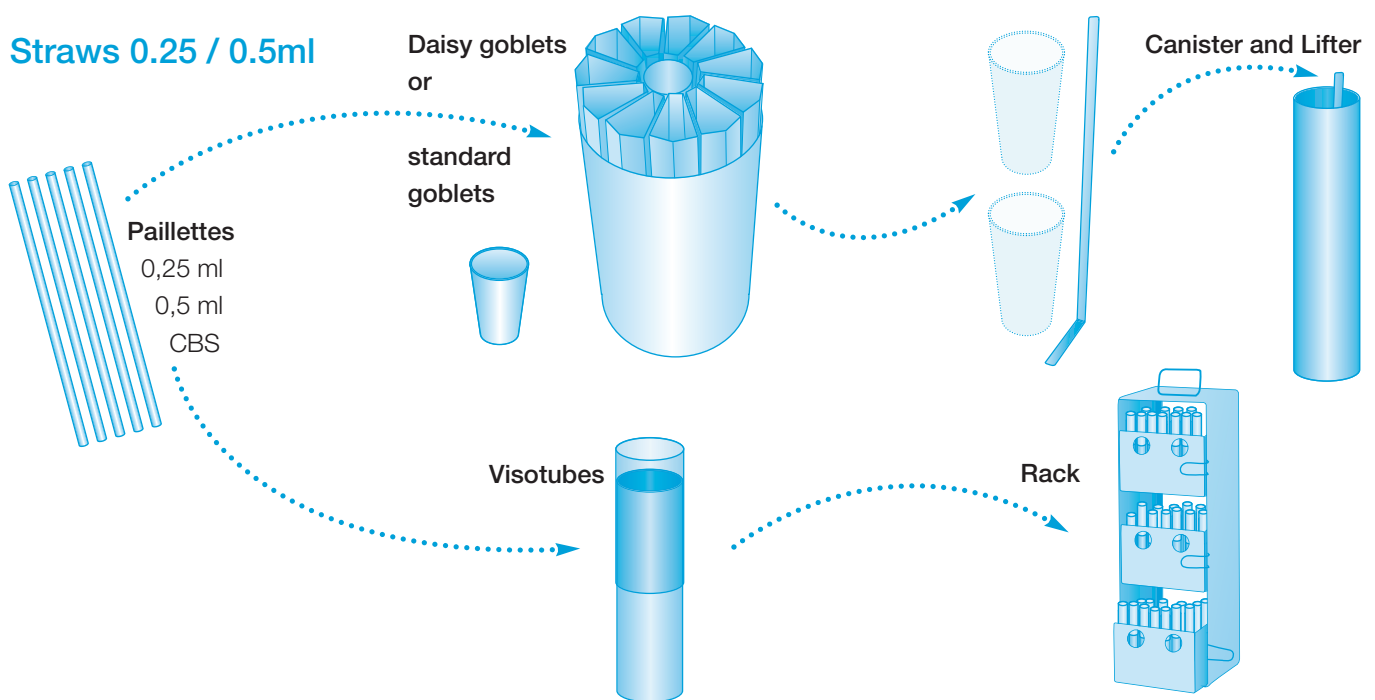


Cryo-vials 5ml

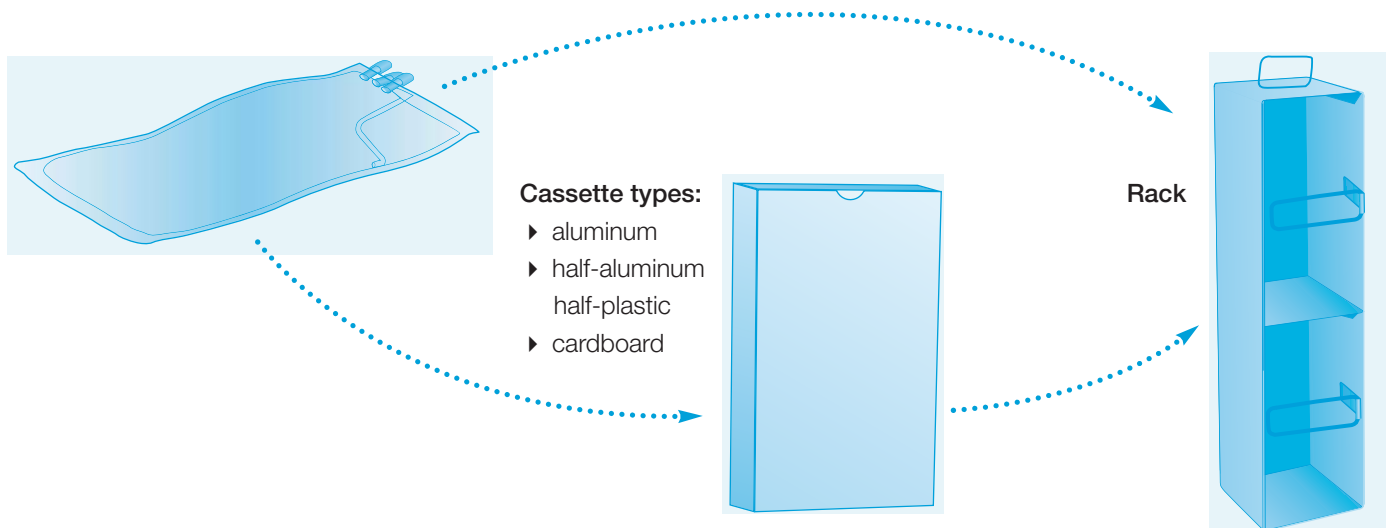
Boxes 81



Storage systems straws and bags



Bags 25 – 1000ml



ESPACE 151 / 331 / 661

Storage systems for cryo-vials

1.2/2 ml

| Storage systems for Cryo-vials 1.2 / 2ml | ESPACE 151 without PT ¹⁾ | ESPACE 331 without PT ¹⁾ | ESPACE 331 with PT ¹⁾ | ESPACE 661 with PT ¹⁾ |
|---|--|--|-------------------------------------|-------------------------------------|
| Number of racks | 7 + 4 ²⁾ | 17 + 6 ³⁾ | 15 + 6 ⁴⁾ | 31 + 4 ⁵⁾ |
| Number of levels per rack | 13 | 12 | 12 | 12 |
| Number of cryo-vials | 10,400 ⁶⁾ | 22,200 ⁶⁾ | 19,800 ⁶⁾ | 38,400 ⁶⁾ |
| MAIN ACCESSORY REFERENCES | | | | |
| Complete set of racks | ACC-RACK-146 | ACC-RACK-148 | ACC-RACK-150 | ACC-RACK-152 |
| Rack for cryo-vial boxes 81 / 100 (units per box) | ACC-RACK-6 | ACC-RACK-5 | ACC-RACK-5 | ACC-RACK-5 |
| Rack for cryo-vial boxes 25 (units per box) | ACC-RACK-9 | ACC-RACK-8 | ACC-RACK-8 | ACC-RACK-8 |
| Boxes | | | | |
| complete set of 10 boxes 133 x 133 x 51 (100 units per box) | ACC-BOXTUBE-104 | | | |
| complete set of 8 boxes 76 x 76 x 51 (25 units per box) | ACC-BOXTUBE-105 | | | |
| complete set of 4 boxes 133 x 133 x 51 (81 units per box) | ACC-BOXTUBE-106 | | | |
| Cryo-vials 1.2 / 2ml | on request | | | |

1) PT: rotating tray

2) 7 racks (81 / 100 boxes) and 4 racks (25 boxes)

3) 17 racks (81 / 100 boxes) and 6 racks (25 boxes)

4) 15 racks (81 / 100 boxes) and 6 racks (25 boxes)

5) 31 racks (81 / 100 boxes) and 4 racks (25 boxes)

6) ESPACE 151: 10,400 cryo-vials 2ml (100 boxes) or 8,671 cryo-vials 2ml (81 boxes)

ESPACE 331: 22,200 cryo-vials 2ml (100 boxes) or 18,324 cryo-vials 2ml (81 boxes)

ESPACE 331 PT: 19,800 cryo-vials 2ml (100 boxes) or 16,380 cryo-vials 2ml (81 boxes)

ESPACE 661: 38,400 cryo-vials 2ml (100 boxes) or 31,332 cryo-vials 2ml (81 boxes)

5 ml

| Storage systems for Cryo-vials 5ml | ESPACE 151 without PT | ESPACE 331 without PT | ESPACE 331 with PT | ESPACE 661 with PT |
|---|--------------------------|--------------------------|-----------------------|-----------------------|
| Number of racks | 7 | 17 | 15 | 31 |
| Number of levels per rack | 7 | 6 | 6 | 6 |
| Number of cryo-vials | 3,969 | 8,262 | 7,290 | 15,066 |
| MAIN ACCESSORY REFERENCES | | | | |
| Complete set of racks | ACC-RACK-147 | ACC-RACK-149 | ACC-RACK-151 | ACC-RACK-153 |
| Rack for cryo-vial boxes 81 (units per box) | ACC-RACK-29 | ACC-RACK-28 | ACC-RACK-28 | ACC-RACK-28 |
| Boxes | | | | |
| complete of 4 boxes 133 x 133 x 95 (81 units per box) | ACC-BOXTUBE-107 | | | |
| Cryo-vials 5ml | on request | | | |

Storage systems for straws

| Storage systems for straws with visotubes / racks | ESPACE 151 without PT ¹⁾ | ESPACE 331 without PT ¹⁾ | ESPACE 331 with PT ¹⁾ | ESPACE 661 with PT ¹⁾ |
|---|--|--|-------------------------------------|-------------------------------------|
| Number of racks | 7 | 17 | 15 | 31 |
| Number of levels per rack | 4 | 4 | 4 | 4 |
| Number of visotubes per rack | 85 | 85 | 85 | 85 |
| Number of 0.25 ml straws | 54,740 | 132,940 | 117,300 | 242,420 |
| Number of 0.25 ml straws per visotube Ø 12 mm | 28 | 28 | 28 | 28 |
| Number of 0.5 ml straws | 21,420 | 52,020 | 45,900 | 94,860 |
| Number of 0.5 ml straws per visotube Ø 12 mm | 10 | 10 | 10 | 10 |
| Number of 0.3 – 0.5ml CBS™ | 14,280 | 34,680 | 30,600 | 63,240 |
| Number of 0.3 – 0.5ml CBS™ per visotube Ø 12 mm | 7 | 7 | 7 | 7 |

MAIN ACCESSORY REFERENCES

| | | | | |
|--|---------------------|---------------------|---------------------|---------------------|
| Complete set of racks | ACC-RACK-196 | ACC-RACK-197 | ACC-RACK-198 | ACC-RACK-199 |
| Individual rack per unit | ACC-RACK-39 | | | |
| Visotube with lid Ø 12 mm (batch of 100 units) | ACC-BOXTUBE-5 | | | |

| Storage systems for straws in goblets / canisters | ESPACE 151 sans PT ¹⁾ | ESPACE 331 sans PT ¹⁾ | ESPACE 331 avec PT ¹⁾ | ESPACE 661 avec PT ¹⁾ |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Number of canisters | 46 | 97 | 88 | 163 |
| Number of goblets | 230 | 485 | 440 | 815 |
| Number of levels of goblets | 5 | 5 | 5 | 5 |
| Number of 0.25 ml straws per vessel | 188,600 | 397,700 | 360,800 | 668,300 |
| Number of 0.25 ml straws per goblet | 820 | 820 | 820 | 820 |
| Number of 0.5 ml straws | 83,950 | 177,025 | 160,600 | 297,475 |
| Number of 0.5 ml straws per goblet | 365 | 365 | 365 | 365 |
| Number of 0.3 – 0.5ml CBS™ straws | 51,750 | 109,125 | 99,000 | 183,375 |
| Number of 0.3 – 0.5ml CBS™ straws per goblet | 225 | 225 | 225 | 225 |

MAIN ACCESSORY REFERENCES

| | | | | |
|---|------------------------|------------------------|------------------------|------------------------|
| Complete set of canisters and goblets | ACC-PLASCAN-116 | ACC-PLASCAN-105 | ACC-PLASCAN-104 | ACC-PLASCAN-106 |
| Plastic canisters per unit | ACC-PLASCAN-3 | | | |
| Goblet Ø 65 mm (batch of 20) | ACC-BOXTUBE-301 | | | |
| Goblet Ø 65 mm "Daisy" (batch of 5) | ACC-BOXTUBE-302 | | | |
| Goblet with whole Ø 65 mm + lid (batch of 10) | ACC-BOXTUBE-415 | | | |

1) PT: rotating tray

ESPACE 151 / 331 / 661

Storage systems for bags

| ESPACE 151 – 331 – 661 – Bags | | ESPACE 151 without PT ¹⁾ | ESPACE 331 without PT ¹⁾ | ESPACE 331 with PT ¹⁾ | ESPACE 661 with PT ¹⁾ |
|--|----------------------------------|--|--|-------------------------------------|-------------------------------------|
| 25ml – maximum capacity bags / bags with cassette | | | | | |
| PALL | Number of racks | 15 | 36 | 32 | 62 |
| | Number of levels per rack | 7 | 6 | 6 | 7 |
| | Number of bags with cassettes | 735 | 1,512 | 1,344 | 3,038 |
| | Rack per unit | ACC-RACK-204 | ACC-RACK-203 | ACC-RACK-203 | ACC-RACK-204 |
| THERMOGENESIS | Number of racks | 24 | 57 | 52 | 99 |
| | Number of levels per rack | 8 | 7 | 7 | 7 |
| | Number of bags with cassettes | 960 | 1,995 | 1,820 | 3,465 |
| | Rack per unit | ACC-RACK-195 | ACC-RACK-202 | ACC-RACK-202 | ACC-RACK-202 |
| BIOSAFE | Number of racks | 24 | 57 | 52 | 99 |
| | Number of levels per rack | 8 | 7 | 7 | 7 |
| | Number of bags with cassettes | 768 | 1,596 | 1,456 | 2,772 |
| | Rack per unit | ACC-RACK-195 | ACC-RACK-202 | ACC-RACK-202 | ACC-RACK-202 |
| Cardboard cassette (9 x 76 x 92 mm) batch of 700 units | | ACC-BOXTUBE-254 | | | |
| Rack number labels for ESPACE / RCB (1 to 100) | | ACC-RACK-223 | | | |
| 50ml – maximum capacity bags / bags with cassette | | | | | |
| Baxter R4R9951 | Number of racks | 14 | 30 | 29 | 56 |
| | Number of levels per rack | 7 | 7 | 7 | 7 |
| | Number of bags with cassettes | 294 | 630 | 609 | 1,176 |
| | Number of bags without cassettes | 392 | 840 | 812 | 1,568 |
| Complete set of racks | | ACC-RACK-119 | ACC-RACK-127 | ACC-RACK-135 | ACC-RACK-142 |
| Rack per unit | | ACC-RACK-37 | | | |
| Cardboard cassettes (14 x 83 x 166 mm) batch of 600 units | | ACC-BOXTUBE-250 | | | |
| Aluminum-plastic cassettes (17 x 92 x 173 mm) per unit | | ACC-BOXTUBE-203 | | | |
| Aluminum cassettes (17 x 92 x 173 mm) per unit | | ACC-BOXTUBE-200 | | | |
| Rack number labels for ESPACE / RCB (1 to 100) | | ACC-RACK-223 | | | |
| 200ml / 250ml – maximum capacity bags / bags with cassette | | | | | |
| Gambro DF200 / Baxter R4R9954 | Number of racks | 12 | 27 | 25 | 50 |
| | Number of levels per rack | 4 | 4 | 4 | 4 |
| | Number of bags with cassettes | 144 | 324 | 300 | 600 |
| | Number of bags without cassettes | 192 | 432 | 400 | 800 |
| Complete set of racks | | ACC-RACK-115 | ACC-RACK-123 | ACC-RACK-131 | ACC-RACK-138 |
| Rack per unit | | ACC-RACK-38 | | | |
| Cardboard cassettes (14 x 155 x 188 mm) batch of 380 units | | ACC-BOXTUBE-251 | | | |
| Aluminum-plastic cassettes (17 x 164 x 194 mm) per unit | | ACC-BOXTUBE-204 | | | |
| Aluminum cassettes (17 x 164 x 194 mm) per unit | | ACC-BOXTUBE-205 | | | |
| Rack number labels for ESPACE / RCB (1 to 100) | | ACC-RACK-223 | | | |

1) PT: rotating tray

Storage systems for bags

| ESPACE 151 – 661 – Bags | | ESPACE 151 without PT ¹⁾ | ESPACE 331 without PT ¹⁾ | ESPACE 331 with PT ¹⁾ | ESPACE 661 with PT ¹⁾ |
|--|---|--|--|-------------------------------------|-------------------------------------|
| 500ml – maximum capacity bags / bags with cassette | | | | | |
| Baxter R4R9955 | Number of racks | 7 | 16 | 16 | 28 |
| | Number of levels per rack | 4 | 4 | 4 | 4 |
| | Number of bags with cassettes | 140 | 320 | 320 | 560 |
| | Number of bags without cassettes | 168 | 384 | 384 | 672 |
| | Complete set of racks | ACC-RACK-121 | ACC-RACK-129 | ACC-RACK-129 | ACC-RACK-129 |
| | Rack per unit | ACC-RACK-34 | | | |
| | Cardboard cassettes (12 x 138 x 236 mm) batch of 300 units | ACC-BOXTUBE-252 | | | |
| | Aluminum-plastic cassettes (15 x 147 x 244 mm) per unit | ACC-BOXTUBE-202 | | | |
| | Aluminum cassettes (15 x 147 x 244 mm) per unit | ACC-BOXTUBE-201 | | | |
| | Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | |
| 750ml – maximum capacity bags / bags with cassette | | | | | |
| Baxter R4R9957 | Number of racks | 7 | 13 | 12 | 23 |
| | Number of levels per rack | 4 | 4 | 4 | 4 |
| | Number of bags with cassettes | 0 | 0 | 0 | 0 |
| | Number of bags without cassettes | 112 | 208 | 192 | 368 |
| | Complete set of racks | ACC-RACK-122 | ACC-RACK-130 | ACC-RACK-137 | ACC-RACK-144 |
| | Rack per unit | ACC-RACK-35 | | | |
| | Cardboard cassettes (15 x 155 x 281 mm) batch of 300 units | ACC-BOXTUBE-253 | | | |
| | Aluminum-plastic cassettes (17 x 164 x 288 mm) per unit | | | | |
| | Aluminum cassettes (17 x 164 x 288 mm) per unit | | | | |
| | Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | |
| 700ml – maximum capacity bags / bags with cassette | | | | | |
| Gambro DF700 | Number of racks (vertical / horizontal) | 10 / 8 | 21 / 18 | 20 / 16 | 38 / 32 |
| | Number of levels per rack (vertical / horizontal) | 2 / 4 | 2 / 4 | 2 / 4 | 2 / 4 |
| | Number of bags per cassette (vertical / horizontal) | / 96 | / 216 | / 192 | / 384 |
| | Number of bags without (vertical / horizontal) | 120 / 128 | 252 / 288 | 240 / 256 | 456 / 512 |
| | Complete set of vertical racks | ACC-RACK-116 | ACC-RACK-124 | ACC-RACK-132 | ACC-RACK-139 |
| | Complete set of horizontal racks | ACC-RACK-174 | ACC-RACK-175 | ACC-RACK-176 | ACC-RACK-177 |
| | Vertical racks per unit | ACC-RACK-32 | | | |
| | Horizontal racks per unit | ACC-RACK-36 | | | |
| | Cardboard cassettes (15 x 155 x 281 mm) batch of 300 units | ACC-BOXTUBE-253 | | | |
| | Aluminum-plastic cassettes (17 x 164 x 288 mm) per unit horizontal format | ACC-BOXTUBE-207 | | | |
| | Aluminum cassettes (17 x 164 x 288 mm) per unit horizontal format | ACC-BOXTUBE-206 | | | |
| | Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | |

1) PT: rotating tray

RCB 500 / 600 / 1000 / 1001

Storage systems for cryo-vials

1.2/2 ml

| Storage systems for Cryo-vials 1.2 ml / 2ml | RCB 500 | RCB 600 | RCB 1000 | RCB 1001 |
|---|----------------------|-------------------------|----------------------|----------------------|
| | with rotating tray | | | |
| Number of racks | 20 + 4 ¹⁾ | 20 + 4 ¹⁾ | 40 ²⁾ | 40 ²⁾ |
| Number of levels per rack | 13 | 14 | 12 | 12 |
| Number of cryo-vials | 27,300 ³⁾ | 29,400 ^{3) 4)} | 48,000 ⁴⁾ | 48,000 ⁴⁾ |
| MAIN ACCESSORY REFERENCES | | | | |
| Complete set of racks | ACC-RACK-168 | ACC-RACK-170 | ACC-RACK-172 | ACC-RACK-172 |
| Vertical racks per unit | ACC-RACK-6 | ACC-RACK-30 | ACC-RACK-5 | ACC-RACK-5 |
| Boxes | | | | |
| complete set of 10 boxes 133 x 133 x 51 (100 units per box) | ACC-BOXTUBE-104 | | | |
| complete set of 8 boxes 76 x 76 x 51 (25 units per box) | ACC-BOXTUBE-105 | | | |
| complete set of 4 boxes 133 x 133 x 51 (81 units per box) | ACC-BOXTUBE-106 | | | |
| Cryo-vials 1.2 / 2ml | on request | | | |

- 1) 20 racks (81/100 boxes) and 4 racks (25 boxes) 4) RCB 500: 26,000 cryo-vials 2ml (100 boxes) or 21,600 cryo-vials 2ml (81 boxes) et 1,300 cryo-vials 2ml (25 boxes)
 2) 40 racks (81/100 boxes) RCB 600: 28,000 cryo-vials 2ml (100 boxes) or 22,680 cryo-vials 2ml (81 boxes) et 1,400 cryo-vials 2ml (25 boxes)
 3) RCB 600 gas: 27,300 cryo-vials 2ml RCB 1000 / 1001: 48,000 cryo-vials 2ml (100 boxes) or 38,800 cryo-vials 2ml (81 boxes)

5 ml

| Storage systems for Cryo-vials 5ml | RCB 500 | RCB 600 | RCB 1000 | RCB 1001 |
|---|---------------------|----------------------|---------------------|---------------------|
| | with rotating tray | | | |
| Number of racks | 20 | 20 | 40 | 40 |
| Number of levels per rack | 7 | 8 | 7 | 7 |
| Number of cryo-vials | 11,340 | 12,960 ^{*)} | 22,680 | 22,680 |
| MAIN ACCESSORY REFERENCES | | | | |
| Complete set of racks | ACC-RACK-169 | ACC-RACK-171 | ACC-RACK-173 | ACC-RACK-173 |
| Vertical racks per unit | ACC-RACK-29 | ACC-RACK-3 | ACC-RACK-29 | ACC-RACK-29 |
| Boxes | | | | |
| complete set of 4 boxes 133 x 133 x 95 (81 units per box) | ACC-BOXTUBE-107 | | | |
| Cryo-tubes 5ml | on request | | | |

*) RCB 600 gas: 11,340 cryo-vials 2ml

Storage systems for straws

Storage systems for straws with visotubes / racks

| | RCB 500 | RCB 600 | RCB 1000 | RCB 1001 |
|---|--------------------|---------|----------|----------|
| | with rotating tray | | | |
| Number of racks | 20 | 20 | 40 | 40 |
| Number of levels per rack | 4 | 4 | 4 | 4 |
| Number of visotubes per rack | 85 | 85 | 85 | 85 |
| Number of 0.25 ml straws | 156,400 | 156,400 | 312,800 | 312,800 |
| Number of 0.25 ml straws per visotube | 28 | 28 | 28 | 28 |
| Number of 0.5 ml straws | 61,200 | 61,200 | 122,400 | 122,400 |
| Number of 0.5 ml straws per visotube | 10 | 10 | 10 | 10 |
| Number of 0.3 – 0.5ml CBS™ | 40,800 | 40,800 | 81,600 | 81,600 |
| Number of 0.3 – 0.5ml CBS™ per visotube | 6 | 6 | 6 | 6 |

MAIN ACCESSORY REFERENCES

| Rack per unit | ACC-RACK-200 | ACC-RACK-200 | ACC-RACK-201 | ACC-RACK-201 |
|--|---------------|--------------|--------------|--------------|
| Vertical racks per unit | ACC-RACK-39 | | | |
| Visotube with lid Ø 10 mm (batch of 100 units) | ACC-BOXTUBE-5 | | | |

Storage systems for straws in goblets / canisters

| | RCB 500 | RCB 600 | RCB 1000 | RCB 1001 |
|--|--------------------|---------|----------|----------|
| | with rotating tray | | | |
| Number of canisters | 120 | 120 | 225 | 225 |
| Number of goblets | 575 | 580 | 1,125 | 1,125 |
| Number of levels of goblets | 5 | 6 | 5 | 5 |
| Number of 0.25 ml straws per vessel | 471,500 | 570,720 | 922,500 | 922,500 |
| Number of 0.25 ml straws per goblet | 164 | 164 | 164 | 164 |
| Number of 0.5 ml straws | 209,875 | 254,040 | 410,625 | 410,625 |
| Number of 0.5 ml straws per goblet | 73 | 73 | 73 | 73 |
| Number of 0.3 – 0.5ml CBS™ straws | 129,375 | 156,600 | 253,125 | 253,125 |
| Number of 0.3 – 0.5ml CBS™ straws per goblet | 45 | 45 | 45 | 45 |

MAIN ACCESSORY REFERENCES

| Complete set of canisters and goblets | ACC-PLASCAN-100 | ACC-PLASCAN-101 | ACC-PLASCAN-102 | ACC-PLASCAN-102 |
|---|-----------------|-----------------|-----------------|-----------------|
| Plastic canisters per unit | ACC-PLASCAN-3 | ACC-PLASCAN-5 | ACC-PLASCAN-3 | ACC-PLASCAN-3 |
| Goblet Ø 65 mm (batch of 20) | ACC-BOXTUBE-301 | | | |
| Goblet Ø 65 mm "Daisy" (batch of 5) | ACC-BOXTUBE-302 | | | |
| Goblet with whole Ø 65 mm + lid (batch of 10) | ACC-BOXTUBE-415 | | | |

RCB 500 / 600 / 1000 / 1001

Storage systems for bags

liquid phase

gas phase

RCB 500 – 600 – 1000 – 1001 – Bags

RCB 500

RCB 600

RCB 600


RCB 1000


RCB 1001

RCB 1001

with rotating tray

25ml – maximum capacity bags / bags with cassette


| | | | | | | | |
|---------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| PALL | Number of racks | 42 | 42 | 42 | 82 | 82 | 82 |
| | Number of levels per rack | 7 | 8 | 8 | 7 | 7 | 7 |
| | Number of bags with cassettes | 2,058 | 2,352 | 2,352 | 4,018 | 4,018 | 4,018 |
| | Rack per unit | ACC-RACK-204 | ACC-RACK-206 | ACC-RACK-205 | ACC-RACK-204 | ACC-RACK-205 | ACC-RACK-204 |
| THERMOGENESIS | Number of racks | 68 | 68 | 68 | 126 | 126 | 126 |
| | Number of levels per rack | 8 | 9 | 9 | 8 | 8 | 8 |
| | Nombre de poches avec étuis  | 2,720 | 3,060 | 3,060 | 5,040 | 5,040 | 5,040 |
| | Rack per unit | ACC-RACK-195 | ACC-RACK-193 | ACC-RACK-194 | ACC-RACK-195 | ACC-RACK-194 | ACC-RACK-195 |
| BIOSAFE | Number of racks | 68 | 68 | 68 | 126 | 126 | 126 |
| | Number of levels per rack | 8 | 9 | 9 | 8 | 8 | 8 |
| | Number of bags with cassettes | 2,176 | 2,448 | 2,448 | 4,032 | 4,032 | 4,032 |
| | Rack per unit | ACC-RACK-195 | ACC-RACK-193 | ACC-RACK-194 | ACC-RACK-195 | ACC-RACK-194 | ACC-RACK-195 |

*  Cardboard cassette (9 x 76 x 92 mm) batch of 700 units
Rack number labels for ESPACE / RCB (1 to 100)


ACC-BOXTUBE-254

ACC-RACK-223

50ml – maximum capacity bags / bags with cassette

| | | | | | | | |
|----------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Baxter R4R9951 | Number of racks | 36 | 36 | 30 | 70 | 70 | 70 |
| | Number of levels per rack | 7 | 7 | 7 | 7 | 7 | 7 |
| | Number of bags with cassettes | 756 | 756 | 756 | 1,470 | 1,470 | 1,470 |
| | Number of bags without cassettes  | 1,008 | 1,008 | 1,008 | 1,960 | 1,960 | 1,960 |
| | Complete set of racks | ACC-RACK-157 | ACC-RACK-157 | ACC-RACK-157 | ACC-RACK-164 | ACC-RACK-164 | ACC-RACK-164 |
| | Rack per unit | ACC-RACK-37 | | | | | |
| | Cardboard cassettes (14 x 83 x 166 mm) batch of 600 units | ACC-BOXTUBE-250 | | | | | |
| | Aluminum-plastic cassettes (17 x 92 x 173 mm) per unit | ACC-BOXTUBE-203 | | | | | |
| | Aluminum cassettes (17 x 92 x 173 mm) per unit | ACC-BOXTUBE-200 | | | | | |
| | Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | | | |

200ml / 250ml – maximum capacity bags / bags with cassette

| | | | | | | | |
|----------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Gambro DF200 / Baxter R4R9954 | Number of racks | 32 | 32 | 32 | 62 | 62 | 62 |
| | Number of levels per rack | 4 | 4 | 4 | 4 | 4 | 4 |
| | Number of bags with cassettes | 384 | 384 | 384 | 749 | 749 | 749 |
| | Number of bags without cassettes  | 512 | 512 | 512 | 992 | 992 | 992 |
| | Complete set of racks | ACC-RACK-154 | ACC-RACK-154 | ACC-RACK-154 | ACC-RACK-161 | ACC-RACK-161 | ACC-RACK-161 |
| | Rack per unit | ACC-RACK-38 | | | | | |
| | Cardboard cassettes (14 x 155 x 188 mm) batch of 380 units | ACC-BOXTUBE-251 | | | | | |
| | Aluminum-plastic cassettes (17 x 164 x 194 mm) per unit | ACC-BOXTUBE-204 | | | | | |
| | Aluminum cassettes (17 x 164 x 194 mm) per unit | ACC-BOXTUBE-205 | | | | | |
| | Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | | | |

Storage systems for bags

liquid phase

gas phase

RCB 500 – 600 – 1000 – 1001 – Bags

RCB 500

RCB 600

RCB 600

RCB 1000

RCB 1001

RCB 1001

with rotating tray

500ml – maximum capacity bags / bags with cassette

| | | | | | | |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Number of racks | 18 | 18 | 18 | 36 | 36 | 36 |
| Number of levels per rack | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of bags with cassettes | 360 | 360 | 360 | 720 | 720 | 720 |
| Number of bags without cassettes | 432 | 432 | 438 | 864 | 864 | 864 |
| Complete set of racks | ACC-RACK-159 | ACC-RACK-159 | ACC-RACK-159 | ACC-RACK-166 | ACC-RACK-166 | ACC-RACK-166 |
| Rack per unit | ACC-RACK-34 | | | | | |
| Cardboard cassettes (12x138x236 mm) batch of 300 units | ACC-BOXTUBE-252 | | | | | |
| Aluminum-plastic cassettes (15x147x244 mm) per unit | ACC-BOXTUBE-202 | | | | | |
| Aluminum cassettes (15x147x244 mm) per unit | ACC-BOXTUBE-201 | | | | | |
| Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | | | |

750ml – maximum capacity bags / bags with cassette

| | | | | | | |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Number of racks | 14 | 14 | 14 | 30 | 30 | 30 |
| Number of levels per rack | 4 | 4 | 4 | 4 | 4 | 4 |
| Number of bags with cassettes | | | | | | |
| Number of bags without cassettes | 224 | 224 | 224 | 480 | 480 | 480 |
| Complete set of racks | ACC-RACK-160 | ACC-RACK-160 | ACC-RACK-160 | ACC-RACK-167 | ACC-RACK-167 | ACC-RACK-167 |
| Rack per unit | ACC-RACK-35 | | | | | |
| Cardboard cassettes (15x155x281 mm) batch of 300 units | ACC-BOXTUBE-253 | | | | | |
| Aluminum-plastic cassettes (17x164x288 mm) per unit | | | | | | |
| Aluminum cassettes (17x164x288mm) per unit | | | | | | |
| Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | | | |

700ml – maximum capacity bags / bags with cassette

| | | | | | | |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Number of racks (vertical / horizontal) | 26 / 20 | 26 / 20 | 26 / 20 | 50 / 38 | 50 / 38 | 50 / 38 |
| Number of levels per rack (vertical / horizontal) | 2 / 4 | 2 / 4 | 2 / 4 | 2 / 4 | 2 / 4 | 2 / 4 |
| Number of bags per cassette (vertical / horizontal) | / 240 | / 240 | / 240 | / 1456 | / 1456 | / 1456 |
| Number of bags without (vertical / horizontal) | 312 / 320 | 312 / 320 | 312 / 320 | 600 / 608 | 600 / 608 | 600 / 608 |
| Complete set of vertical racks | ACC-RACK-156 | ACC-RACK-156 | ACC-RACK-156 | ACC-RACK-163 | ACC-RACK-163 | ACC-RACK-163 |
| Complete set of horizontal racks | ACC-RACK-178 | ACC-RACK-178 | ACC-RACK-178 | ACC-RACK-179 | ACC-RACK-179 | ACC-RACK-179 |
| Vertical racks per unit | ACC-RACK-32 | | | | | |
| Horizontal racks per unit | ACC-RACK-36 | | | | | |
| Cardboard cassettes (15x155x281 mm) batch of 300 units | ACC-BOXTUBE-253 | | | | | |
| Aluminum-plastic cassettes (17x164x288 mm) per unit(horizontal) | ACC-BOXTUBE-207 | | | | | |
| Aluminum cassettes (17x164x288mm) per unit (horizontal) | ACC-BOXTUBE-206 | | | | | |
| Rack number labels for ESPACE / RCB (1 to 100) | ACC-RACK-223 | | | | | |

ESPACE and RCB

Options and accessoires



Rotating tray makes it easier to store and access samples and products (ESPACE 331 option ??? ESPACE 661 and included in the RCB line).



Flexible cryogenic hose to connect the storage vessels to the Nitrogen source.

1.1 m: ACC-FL180180NL-11
1.5 m: ACC-FL180180NL-15
2.0 m: ACC-FL180180NL-20
3.0 m: ACC-FL180180NL-30
4.0 m: ACC-FL180180NL-40



Portable step platform making it easier to store and access samples and products (available for ESPACE 661 and the RCB line).

ESPACE 661: ACC-ESP-341
RCB 600: ACC-RCB-213
RCB 1000/1001: ACC-RCB-212



Manual level ruler for measuring the liquid Nitrogen level in a vessel.
ACC-BOXTUBE-412



Compensated lid for easier use.
RCB 500 / 600: ACC-RCB-215
RCB 1001 / 1001: ACC-RCB-214



Tank dividers to facilitate sample and product storage management and traceability. **RCB 500 / 600**
double partition: ACC-RCB-5
triple partition: ACC-RCB-6
quadruple partition: ACC-RCB-7
RCB 1000 / 1001
double partition: ACC-RCB-8
triple partition: ACC-RCB-9
quadruple partition: ACC-RCB-10