



## MVE Lab Series

|                                | LAB 4      | LAB 5      | LAB 10     | LAB 20     | LAB 30     | LAB 50     |
|--------------------------------|------------|------------|------------|------------|------------|------------|
| <b>Performance</b>             |            |            |            |            |            |            |
| LN <sub>2</sub> Capacity L     | 4          | 5          | 10         | 20         | 32         | 50         |
| Static Evaporation Rate* L/day | 0.19       | 0.15       | 0.18       | 0.18       | 0.22       | 0.49       |
| <b>Unit Dimensions</b>         |            |            |            |            |            |            |
| Neck Opening in. (mm)          | 1.40 (35)  | 2.18 (56)  | 2.18 (56)  | 2.18 (56)  | 2.50 (64)  | 2.50 (64)  |
| Useable Height in. (mm)        | 7.8 (198)  | 10.5 (266) | 13.5 (343) | 13.7 (348) | 14.9 (378) | 22.0 (559) |
| Overall Height in. (mm)        | 16.8 (426) | 18.2 (462) | 21.5 (546) | 24.5 (622) | 24.0 (610) | 30.5 (775) |
| Outer Diameter in. (mm)        | 7.3 (185)  | 8.8 (222)  | 10.3 (260) | 14.5 (368) | 17.0 (432) | 17.0 (432) |
| Internal Diameter in. (mm)     | 5.5 (139)  | 6.5 (165)  | 8.3 (210)  | 11.4 (289) | 14.0 (356) | 14.0 (356) |
| Weight Empty lb. (kg)          | 6 (2.7)    | 8 (4)      | 12 (5.4)   | 19 (9)     | 25 (11.4)  | 31 (14)    |
| Weight Full lb. (kg)           | 13 (6)     | 17 (8)     | 31 (14)    | 55 (25)    | 82 (37.2)  | 120 (54.4) |

\* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

|                                                            | LAB 4    | LAB 5    | LAB 10   | LAB 20** | LAB 30   | LAB 50   |
|------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| <b>Part</b>                                                |          |          |          |          |          |          |
| Lab Dewar                                                  | 9922219  | 9918079  | 10740281 | 13492631 | 9918099  | 9918109  |
| Spare Lid                                                  | 10588362 | 13808658 | 13808658 | 13808658 | 13808666 | 13808666 |
| Pour Spout                                                 | N/A      | 9720729  | 9720729  | 9720729  | 9711929  | 9711929  |
| Swivel Dipper                                              | 20593015 | 20593015 | 20593015 | 20593015 | 20593015 | 20593015 |
| Rigid Dipper                                               | N/A      | 9711569  | 9711589  | 9711619  | 9711619  | 9711669  |
| Discharge Device                                           | N/A      | N/A      | 10668101 | 13484139 | 10668004 | 10668021 |
| Flex Hose (2 ft) with Phase Separator for Discharge Device | N/A      | N/A      | 14044151 | 14044151 | 14044151 | 14044151 |
| Roller Base                                                | N/A      | N/A      | N/A      | 10937391 | 10937403 | 10937403 |

\*\*Contact customer service for spare parts on models manufactured before 2007

To order: 800-400-4683 • [www.chartindustries.com](http://www.chartindustries.com)

# MVE Research Dewars



|                                 | RD-6*      | RD-3*     | RD-2       | RD-1      | RD-1W     | RD-0.5    |
|---------------------------------|------------|-----------|------------|-----------|-----------|-----------|
| <b>Performance</b>              |            |           |            |           |           |           |
| LN <sub>2</sub> Capacity L      | 6          | 3         | 2          | 1         | 1         | 0.5       |
| Handle                          | yes        | yes       | yes        | yes       | yes       | no        |
| <b>Unit Dimensions</b>          |            |           |            |           |           |           |
| Neck Opening in. (mm)           | 7.3 (185)  | 7.3 (185) | 3.9 (99)   | 3.3 (84)  | 3.9 (99)  | 2.6 (66)  |
| Inner Diameter in. (mm)         | 7.3 (185)  | 7.3 (185) | 3.9 (99)   | 3.3 (84)  | 3.9 (99)  | 2.6 (66)  |
| Outer Diameter in. (mm)         | 7.8 (198)  | 7.8 (198) | 4.8 (122)  | 4.3 (109) | 4.8 (122) | 3.4 (86)  |
| Usable Internal Height in. (mm) | 10.6 (269) | 6.3 (160) | 7.1 (180)  | 6.2 (157) | 6.1 (155) | 7.1 (180) |
| Overall Height in. (mm)         | 11.8 (300) | 7.5 (191) | 12.3 (312) | 9.1 (231) | 7.0 (178) | 8.0 (203) |
| NER without cover L/hr          | 0.4        | 0.2       | 0.1        | 0.1       | 0.2       | 0.1       |

|                | RD-6      | RD-3      | RD-2     | RD-1     | RD-1W    | RD-0.5   |
|----------------|-----------|-----------|----------|----------|----------|----------|
| <b>Part</b>    |           |           |          |          |          |          |
| Research Dewar | 13982293* | 13982285* | 13982277 | 13982251 | 13982269 | 13982242 |
| Spare Lid      | NA        | NA        | 13976387 | 13976379 | 13976387 | 13976344 |

\*Lid not included

To order: 800-482-2473 • [www.chartbiomed.com](http://www.chartbiomed.com)

## Accessories



Pour Spout



Discharge Device



Swivel Dipper



Rigid Dipper



Phase Separators



Roller Base

## Phase Separators for Transfer Hose with LN<sub>2</sub> Fittings

|             | Small          | Large      | X-Large   |
|-------------|----------------|------------|-----------|
| Length (in) | 11/16 x 1 1/2" | 1 5/16 x 3 | 1 5/8 x 4 |
| Part Number | 10615885       | 10615877   | 10615869  |



Transfer Hose with Phase Separator

## Cryo Gloves

| Mid-arm - M | Mid-arm - L | Mid-arm - XL | Elbow - M | Elbow - L | Elbow - XL |
|-------------|-------------|--------------|-----------|-----------|------------|
| 9717119     | 9717129     | 9717139      | 9717149   | 9717159   | 9717169    |



Cryo Gloves

To order: 800-400-4683 • [www.chartindustries.com](http://www.chartindustries.com)

© 2016 Chart Inc. P/N 21006715  
Chart Inc. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.