

**ANIMAL
CARE SYSTEMS** Inc.

Helping you achieve responsible animal care

M.I.C.E.[®] System Polycarbonate and Polysulfone Cages & Water Bottles

Cages and water bottles used in M.I.C.E.[®] System rodent racks are available in either Macroton[®] Polycarbonate or Udel[®] Polysulfone.

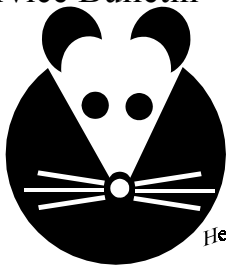
Macroton[®] polycarbonate water bottles and cage parts are autoclavable up to 250° F. (121° C.) This temperature is near the upper limit for polycarbonate, and should never be exceeded.

Udel[®] polysulfone water bottles and cage parts are autoclavable to temperatures exceeding 270° F. (132° C.). This is not near the upper limit for polysulfone, and autoclaving at high temperatures is not normally an issue.

The procedures below should be followed when autoclaving any M.I.C.E.[®] System Makrolon[®] polycarbonate or Udel[®] polysulfone cages, cage parts, or water bottles and caps.

Parts List of Autoclavable Plastic

Macroton [®] Part Number	Udel [®] Part Number	Description
M80100, M80110	P80100, P80110	Mouse Cage Assembly
M80120, M80130	P80120, P80130	Rat Cage Assembly
M79010	P79010	Mouse Cage Bottom Assembly
M79020	P79020	Mouse Cage Top Assembly
M79120	P79120	Rat Cage Bottom Assembly
M79130	P79130	Rat Cage Top Assembly
M43010	M43010	Mouse Cage Bottom
M43020	P43020	Mouse Cage Top
M43015	P43015	Rat Cage Bottom
M43025	P43025	Rat Cage Top
M43051	P43051	Feeder Lid
M43060	P43060	Exhaust Nozzle
M79030A	P79030A	Round Bottle Assembly
M79033A	P79033A	Square Bottle Assembly
M79031A	P79031A	Round Bottle/Seal Subassembly
M79032A	P79032A	Square Bottle/Seal Subassembly
M79035	P79035	Bottle Cap Assembly



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General Autoclaving Procedures

- **Do not stack parts for autoclaving.** Always arrange parts in the autoclave individually, with NO parts stacked on others. When parts are heated, they lose strength and parts at the bottom of a stack WILL be permanently deformed.
- **Autoclave only clean parts.** The high temperatures will cause residual animal waste products to react with polycarbonate or polysulfone and shorten the part's lifespan or ruin the transparency.

Specific Macrolon[®] Autoclaving Restrictions

- **Do not exceed 250° F. for 20 minutes maximum.** Higher temperatures and/or durations will damage parts and/or shorten their life.
- **Autoclave water bottles only with the caps removed.** If bottles are autoclaved with the caps installed, caps will permanently expand slightly and water leakage will result. Udel[®] polysulfone bottle caps are exempt from this restriction.

Contact the factory for applications that require autoclaving water bottles with the caps installed.

When the procedures listed above are followed, M.I.C.E.[®] System cages, cage parts, and water bottles will provide long, trouble-free operation, retain their original clarity through many autoclave cycles.

Replacement

M.I.C.E.[®] System Macrolon[®] polycarbonate cages, cage parts, and water bottles are warranted for one year or 25 autoclave cycles when the correct autoclaving procedures are followed. Udel[®] polysulfone components are warranted for two years or 50 autoclave cycles. Parts that are properly cared for should remain serviceable for much longer than the warranty period. Animal Care Systems will replace at no charge any Macrolon[®] or Udel[®] parts that fail within the warranty period when maintained as described in this bulletin. Contact us if you have warranty questions or concerns.

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