

IV Solutions Recycling Guide











Recycling ICU Medical Packaging

We support sustainability efforts by continually evaluating the environmental impact of our product packaging. We have developed this visual guide to help you have the information you need to dispose of our products in the most responsible way possible. Together, we can make a positive impact on the environment, one package at a time.

IV Solutions Disposal Strategies

Utilize your facility's protocols for disposal of any waste.



Product	Product Image	Product Type	Product(s) Associated	Recycling Symbol & Recyclability*
LifeCare™		Injection	<ul style="list-style-type: none"> › Dextrose › Lactated Ringer's › Multiple Electrolyte › Potassium Chloride › Ringer's › Sodium Chloride 	 <p>Recycled into paneling, flooring, speed bumps, decks.¹</p>
		Irrigation	<ul style="list-style-type: none"> › Lactated Ringer's › Sodium Chloride › Sterile Water › Glycine › Sorbitol-Mannitol 	
		Nutrition	<ul style="list-style-type: none"> › Dextrose › Aminosyn › Sterile Water 	
Fleboflex®		Injection	<ul style="list-style-type: none"> › Sodium Chloride 	 <p>Recycled into brooms, pallets, ice scrapers, and bicycle racks.¹</p>
Plastic Pour Bottle		Irrigation	<ul style="list-style-type: none"> › Sodium Chloride › Sterile Water 	 <p>Up to 29.3% of all HDPE in the US is recycled.²</p>
Overwrap		HDPE (Clear Plastic)	<ul style="list-style-type: none"> › Sterile Water › Potassium Chloride › Multiple Electrolyte › Mannitol › Sodium Chloride › Dextrose › Lactated Ringer's › Empty Container 	
		Foil (Aluminum Laminate)	<ul style="list-style-type: none"> › Dextrose › Aminosyn › Potassium Chloride › Sodium Chloride 	 <p>Aluminum Laminate is accepted by certain recycling centers in the U.S.;³ however, it is generally not as accepted as other listed materials.</p>

*Fleboflex® is a trademark owned by Grifols Worldwide Operations Limited.

*LifeCare IV container systems are manufactured by Otsuka ICU Medical LLC and distributed by ICU Medical Sales, Inc.

*Check with your local recycling facility to see if they accept or recycle each material

1. <https://www.acnepharm.com/content/your-guide-to-plastic-recycling-symbols/>
2. <https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/plastics-material-specific-data#:~:text=The%20recycling%20rate%20of%20PET,was%2029.3%20percent%20in%202018.>
3. <https://ctmetal.com/aluminum-foil-and-laminates/>







Manufactured by:
Otsuka ICU Medical LLC

Distributed by:

icumedical
human connections

IV Solutions Waste Stream

Utilize your facility's protocols for disposal of any waste.

Waste Type	Waste Type Description ¹	Recyclability
 General	Similar to household or office waste. Given its proximity to hazardous waste, it must be handled carefully to avoid contamination. Includes paper products, disposable plastics, and food waste.	 Potentially Recyclable
 Infectious	Commonly known as biohazardous waste, which could cause the spread of infection. Includes anything exposed to bodily fluids and tissue, either human or animal.	 Not Recyclable
 Hazardous	Commonly known as RCRA waste, which may harm people and the environment through pollution, poisoning, or injury. Includes pharmaceuticals, chemical solvents, and old surgical and examination tools.	
 Radioactive	Diseases diagnosed and treated using radiology, which may harm people and the environment if improperly disposed. Includes diagnostic technologies like x-rays, mammography, positron emission tomography (PET), and fluoroscopy use radiation.	

1. <https://www.who.int/news-room/fact-sheets/detail/health-care-waste>

Additional Resources



Local Recycling Centers:
search.earth911.com



EPA Medical Waste Information:
epa.gov/rcra/medical-waste



Pollution Prevention & Compliance Assistance Information for the Healthcare Industry:
hercenter.org/rmw/rmwoverview.php

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