B BRAUN
SHARING EXPERTISE

FAQ

E3® IV Container

How are B. Braun IV Containers different from those that contain PVC?

B. Braun IV Containers are biologically inert and are not made with natural rubber latex, PVC or the plasticizer DEHP. When certain medications come in contact with PVC containers that contain DEHP, there is potential for sorption of the drug and therefore the release of DEHP into the fluid and/or absorption of the active ingredient with subsequent sub-therapeutic dosing. Using B. Braun IV Containers reduces patient exposure to the toxic DEHP plasticizer compared to using PVC containers containing DEHP.

Can we use a marking pen to write on E3 IV Containers?

We do not conduct any biocompatibility testing on the inks used in the manufacturing of marking pens. Therefore, we do not recommend using any marking pen on the fluid contact area of E3 IV Containers.

What are the additive volume specifications of the E3 IV Containers?

Container Size	Maximum Recommended Additive Volume
1000 mL	150 mL

How long and at what temperature can E3 IV Containers be placed in a warming cabinet?

B. Braun conducted container integrity, as well as chemical and biological stability testing, on the following products to support warming up to 40°C for a period of up to 28 days until expiration, whichever is sooner.[1,4] Products should not be returned to stock after warming.

Product Description	Item Number
0.9% Sodium Chloride Injection USP	E8000
Lactated Ringer's Injection USP	E7500

Please note that exposure of pharmaceutical products to heat should be minimized whenever possible and that excessive heat should also be avoided. B. Braun's products manufactured in the E3 IV Container should be stored at room temperature (20° - 25°C).
Refer to full prescribing information for recommended storage conditions.

How long and at what temperature can the E3® IV Container be stored in a refrigerator?

B. Braun conducted container integrity, as well as chemical and biological stability testing, on the following products to support refrigeration at 2° - 8°C for a period of up to 7 days or until expiration, whichever is sooner.[1-4] Products should not be returned to stock after refrigeration.

Product Description	Item Number
0.9% Sodium Chloride Injection USP	E8000
Lactated Ringer's Injection USP	E7500

The labeling for E3 IV Products states to protect from freezing. B. Braun's product manufactured in the E3 IV Container should be stored at room temperature (20° - 25°C). Refer to full prescribing information for recommended storage conditions.

Can E3 IV Containers be transported in a pneumatic tube system?

While the E3 IV Container design offers clinical, safety, and environmental benefits, it is not as indestructible as PVC. Consequently, they must be handled differently with each type of pneumatic tube system.

The E3 IV Container can withstand transport in well-maintained 6-inch pneumatic tube systems.[6] When possible, foam padding should be used when transporting IV bags. Padding can cushion the impact and protect the container from sharp edges inside the carrier. In 6-inch carriers special foam inserts can be used for this purpose.

What are the volume specifications in the E3 IV Container?

The fill volumes for E3 IV Containers account for water vapor transmission loss over the shelf life of the products and volume remaining in the container after drainage.

The United States Pharmacopeia (USP) requires containers of injections to have "a volume in slight excess of the labeled 'size' or the volume that is to be withdrawn," referred to as excess volume. For labeled volumes of 50 mL or more, USP <1151> recommends excess volume of 2% (3% for viscous solutions), which is considered sufficient to permit withdrawal and administration of the labeled volume.[5]

The volume specifications for E3 IV Containers are as follows[1-4]:

Nominal Fill Volume	Fill Range
1027 mL	1022 – 1032 mL

Can the E3 IV Container be pressured infused?

E3 IV Containers, that have not been accessed via Additive Port, have been designed to withstand pressure infusion up to 375 mmHG for 24 hours.[1-4]

Can the E3 IV Containers be recycled?

E3 IV Containers are made of a homogenous blend of polypropylene specifically developed for parenteral drugs and are recyclable with the number "7" as the resin identification number. Please follow your facility's protocol for the recycling of fluid containers.

Why doesn't the E3 IV Container require an overwrap?

Unlike the EXCEL® IV Container which does require an overwrap, E3 was designed and approved by the FDA without the need for an overwrap. The material composition of the E3 IV Container is a different blend than the EXCEL IV Container allowing for reduced water vapor transmission. This, along with the presence of tamper evident caps on both the set port and additive port eliminates the need for an overwrap. For use of the E3 IV Container, refer to the directions for use in the FDA approved Prescribing Information.

The expiration date printed on the unit container is valid as long as the product is used in accordance with the product labeling.

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1 SPEC-CORP-8000026
2 RPT-EXCEED-1000568
3 RPT-EXCEED-1000794
4 RPT-EXCEED-1000861
5 USP (2022). General Chapter (1511) Pharmaceutical Dosage Forms. USP-NF
6 ESIG-CORP-8003445