

A close-up photograph of a clear plastic medical device, possibly a drip chamber or filter, mounted on a stand. The device has a central vertical tube and two side ports.

# Er-med Medical Devices



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Tuzla - İstanbul - Türkiye

# Contents

ABOUT US	02
VISION & MISSION	03
OUR SERVICES	04
SKYCOMP 2S – TPN PREPARATION SYSTEM	05
SKYREP 2S – LIPID PREPARATION DEVICE	07
TPN CONSUMABLES	08
SKYCHEMO 2S-E CHEMOTHERAPY DRUG PREPARATION SYSTEM	13
CHEMOTHERAPY CONSUMABLES	15
SKYNET SOFTWARE	21
CLOSED URINE MEASUREMENT SYSTEM	22



# ABOUT US

Er-med operates based on quality and reliability, carrying out its production and services in compliance with CE certification and ISO 13485 quality management system.



Er-med Medical Devices is a technology and manufacturing company specialized in Total Parenteral Nutrition (TPN), chemotherapy, and IV drug preparation, providing end-to-end solutions in the healthcare sector.



With automated drug compounding systems, cleanroom solutions, and consumables, we enable healthcare institutions to safely and traceably prepare patient-specific IV medications and parenteral nutrition solutions.



***At our facility located in Tuzla Tepeören, operations are conducted within an integrated structure including management offices, storage areas, technical service, quality control units, ISO Class 7 cleanroom, microbiology laboratory, and sterilization areas.***

# VISION

To become a globally preferred brand by offering reliable, sustainable solutions fully compliant with international standards, prioritizing patient and user safety in the healthcare sector.



# MISSION

**01**

To provide reliable and high-quality solutions in TPN, chemotherapy, and IV drug preparation, prioritizing patient and user safety.

**02**

Ensure full compliance with national and international standards and regulatory requirements, guaranteeing sustainable quality.

**03**

Achieve continuous improvement through risk-based approach and process management.

**04**

Maintain the highest level of customer satisfaction with fast, effective, and solution-oriented responses.

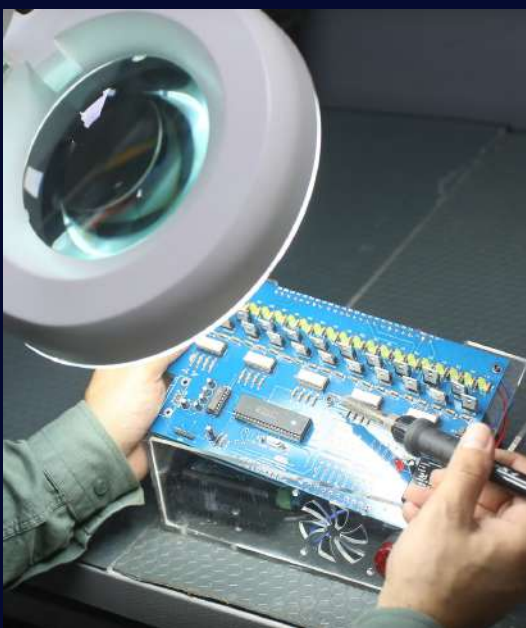
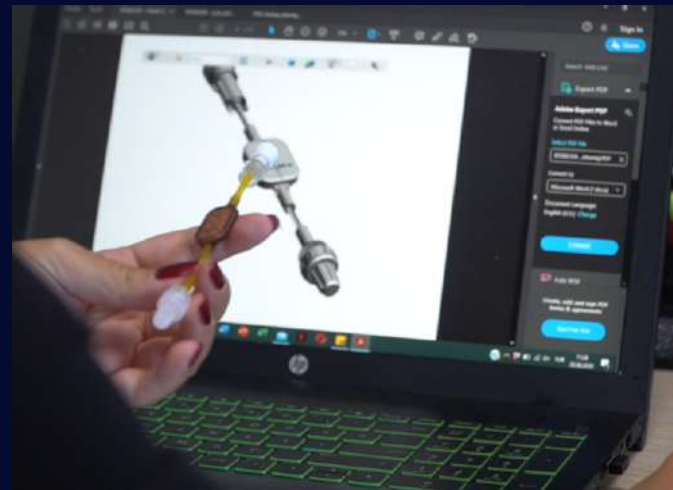
# Our Services

## R&D AND PRODUCT DEVELOPMENT

We develop innovative, sustainable, and customized solutions to improve efficiency and safety.

## SALES AND CUSTOMER SUPPORT SERVICES

We provide fast, reliable, and continuous support from pre-sales to all operational processes.



## TECHNICAL SERVICE AND MAINTENANCE

We ensure long-lasting, safe, and high-performance operation through rapid intervention and effective maintenance services.

## CLEANROOM SOLUTIONS

We provide turnkey cleanroom solutions from design to installation, fully compliant with international standards.

# SKYCOMP 2S

## FULLY AUTOMATED TPN PREPARATION SYSTEM

SkyComp 2S is a fully automated TPN preparation system that enables the safe, precise, and traceable preparation of patient-specific Total Parenteral Nutrition (TPN) solutions.

Thanks to its advanced automation infrastructure, it minimizes errors that may arise from manual operations, while supporting the standardization of clinical processes with high accuracy and repeatability. With its integrated software infrastructure, it enables full digital control of prescription management, data tracking, and reporting processes.

Its closed system architecture minimizes contamination risk to the lowest level; with its user-friendly interface and intelligent control mechanisms, it increases operational efficiency.

SkyComp 2S is designed to meet the needs of hospitals and compounding units; offering safety, speed, and precision together.





## KEY FEATURES

- Provides simultaneous multi-solution management and high operational flexibility with its 20-channel system infrastructure.
- Offers high dosing accuracy even at low volumes with liquid transfer precision down to 0,2 mL.
- Ensures maximum patient safety by verifying each transfer step through channel-based validation and a gravimetric measurement system.
- Provides fast and uninterrupted production in high workload environments with filling speeds up to 1.000 mL/min.
- Enables safe and error-free preparation of patient-specific formulations with integrated TPN prescription management.
- Minimizes user errors and increases process safety with barcode-supported verification system.
- Supports sterile working conditions by minimizing contamination risk through closed system design.



## COMPLEMENTARY ACCESSORIES



### Barcode Reader

Used for barcode verification and traceability.



### Calibration Weight

Used for scale calibration.



### Thermal Label Printer

Used for printing bag labels.

TECHNICAL SPECIFICATIONS	
<b>Dimensions (W×D×H)</b>	112x35x29 cm
<b>Weight</b>	37.5 kg
<b>Maximum Liquid Transfer Rate</b>	1.000 mL/min
<b>Minimum Liquid Transfer Volume</b>	0,2 mL
<b>Accuracy</b>	0,2 mL - 10 mL → ± 0,1 mL >10 mL → ± %3
<b>Operating Temperature</b>	10°C / 40°C
<b>Storage Temperature</b>	-10°C / 50°C
<b>Power Rating</b>	110 - 240 V AC, 50/60Hz 55W

# SKYREP 2S LIPID PREPARATION DEVICE



SkyRep 2S is an advanced preparation system designed for the safe, precise, and controlled preparation of lipid solutions.

- High-accuracy liquid transfer with advanced precision pump technology
- Maximum safety and minimum contamination risk with closed system design
- Easy and user-friendly operation with touchscreen interface
- High-speed filling performance for operational efficiency
- Full traceability with smart memory and data recording system

# TPN PREPARATION CONSUMABLES



## **IP0006ER** MANIFOLD SET WITH CHECK VALVE

- Provides controlled management of multiple fluid inputs in TPN devices and enables safe transfer from a single point.



## **IP0008ER** MICRO TRANSFER SET WITH CHECK VALVE

- Provides precise and safe fluid transfer from syringe-type and low-volume sources.
- Its valve design ensures safe use and high accuracy.



## **IP0009ER** MACRO TRANSFER SET WITH CHECK VALVE

- Provides fast and safe flow for high-volume fluid transfers.
- Its valve structure enhances fluid control and supports system safety.



## **IP0004ER** REPEATER PUMP SET

- Provides stable and controlled flow in precision fluid transfer processes.
- Ensures accuracy and continuity in low-volume applications.

# TPN PREPARATION CONSUMABLES

## MULTI-WAY VEIN VALVES



### 1-WAY VEIN VALVE

- Provides safe and controlled fluid transfer through a single line.
- Available with check valve + needle-free connector or needle-free connector only.

Reference No	Product Name
BT0004ER	Multi Way Vein Valve – 1 Way UV
BT0005ER	Multi Way Vein Valve – 1 Way Needle Free



### 2-WAY VEIN VALVE

- Allows safe fluid direction between two lines, providing flexible use.
- Available with check valve + needle-free connector or needle-free connector only.

Reference No	Product Name
BT0002ER	Multi Way Vein Valve – 2 Way UV
BT0021ER	Multi Way Vein Valve – 2 Way Check Valve UV



### 3-WAY VEIN VALVE

- Ensures controlled distribution of fluid flow with multi-line management.
- Available with check valve + needle-free connector or needle-free connector only.

Reference No	Product Name
BT0003ER	Multi Way Vein Valve – 3 Way UV
BT0031ER	Multi Way Vein Valve – 3 Way Check Valve UV

# TPN APPLICATION CONSUMABLES



**IP0098ER**  
PERFUSION INJECTOR

- Provides safe and controlled application in fluid transfer with precise dosing structure.
- Features light-protective design.

**FILTER SETS**



**FILTER SET WITHOUT EXTENSION LINE UV**

- Light-protective structure for light-sensitive drugs.
- Provides particle and microorganism filtration with 0.2 µm / 1.2 µm filter options.

Reference No	Product Name	Product Feature
BT0001ER	1.2 µm Filter Set Without Extension Line UV	Equipped with a 1.2 µm filter.
BT0013ER	0.2 µm Positive Filter Set Without Extension Line UV	Equipped with a 0.2 µm filter.



**BT0007ER**  
1.2 FILTER SET WITH EXTENSION LINE UV

- Light-protective structure.
- Provides particle and microorganism filtration.

# TPN APPLICATION CONSUMABLES

## TPN BAGS



### TPN BAG UV

- High protection with UV-protected EVA structure for light-sensitive drugs.
- Free from PVC, DEHP, and latex for patient safety.
- Available in multiple volume options.
- Compatible with automatic filling systems and manual use.

Reference No	Product Name
BTO384ER	TPN Bag UV 250 ml
BTO385ER	TPN Bag UV 500 ml
BTO386ER	TPN Bag UV 1000 ml
BTO387ER	TPN Bag UV 2000 ml
BTO388ER	TPN Bag UV 3000 ml
BTO420ER	TPN Bag UV 4000 ml



### TPN BAG TRANSPARENT

- Transparent EVA structure allows easy monitoring of solution.
- PVC, DEHP, and latex-free.
- Multiple volume options.
- Compatible with automatic and manual systems.

Reference No	Product Name
BTO230ER	TPN Bag Transparent 250 ml
BTO231ER	TPN Bag Transparent 500 ml
BTO232ER	TPN Bag Transparent 1000 ml
BTO233ER	TPN Bag Transparent 2000 ml
BTO234ER	TPN Bag Transparent 3000 ml
BTO235ER	TPN Bag Transparent 4000 ml

# TPN APPLICATION CONSUMABLES



## TPN SET

- Provides safe and controlled fluid transfer for TPN applications.
- Reduces particle and microorganism risk with integrated filters.
- Offers safe injection with needle-free / check valve options.
- Adapts to clinical needs with different configurations and components.

Reference No	Product Name	Set Contents
BTO149ER	TPN Set 250 ml - 2-Part Set	<ul style="list-style-type: none"> <li>• TPN Bag</li> <li>• 1.2 µm Filter Set with Extension Line UV</li> </ul>
BTO150ER	TPN Set 500 ml - 2-Part Set	
BTO151ER	TPN Set 1000 ml - 2-Part Set	
BTO152ER	TPN Set 2000 ml - 2-Part Set	
BTO153ER	TPN Set 3000 ml - 2-Part Set	
BTO154ER	TPN Set 4000 ml - 2-Part Set	
BTO333ER	TPN Set 250 ml - 3-Part Set	<ul style="list-style-type: none"> <li>• TPN Bag</li> <li>• 1.2 µm Filter Set with Extension Line UV</li> <li>• Multi Way Vein Valve - 3 Way UV</li> </ul>
BTO334ER	TPN Set 500 ml - 3-Part Set	
BTO335ER	TPN Set 1000 ml - 3-Part Set	
BTO303ER	TPN Set 250 ml - 5-Part Set	<ul style="list-style-type: none"> <li>• TPN Bag</li> <li>• 1.2 µm Filter Set with Extension Line UV</li> <li>• Multi Way Vein Valve - 3 Way UV</li> <li>• 0.2 µm Positive Filter Set without Extension Line UV</li> <li>• Perfusion Injector</li> </ul>
BTO304ER	TPN Set 500 ml - 5-Part Set	
BTO305ER	TPN Set 1000 ml - 5-Part Set	
BTO306ER	TPN Set 2000 ml - 5-Part Set	
BTO307ER	TPN Set 3000 ml - 5-Part Set	
BTO308ER	TPN Set 4000 ml - 5-Part Set	
BTO313ER	TPN Set Check Valve 250 ml	<ul style="list-style-type: none"> <li>• TPN Bag</li> <li>• 1.2 µm Filter Set with Extension Line UV</li> <li>• Multi Way Vein Valve - 3 Way Check Valve UV</li> <li>• 0.2 µm Positive Filter Set without Extension Line UV</li> <li>• Perfusion Injector</li> </ul>
BTO314ER	TPN Set Check Valve 500 ml	
BTO315ER	TPN Set Check Valve 1000 ml	
BTO316ER	TPN Set Check Valve 2000 ml	
BTO317ER	TPN Set Check Valve 3000 ml	
BTO318ER	TPN Set Check Valve 4000 ml	

# SKYCHEMO 2S-E

## FULLY AUTOMATED CHEMOTHERAPY DRUG PREPARATION SYSTEM

SkyChemo 2S-E is a fully automated system that ensures safe, precise, and traceable preparation of cytotoxic chemotherapy drugs.

It minimizes risks arising from manual preparation processes while ensuring maximum safety for both the operator and the patient. Thanks to its advanced automation infrastructure, it provides high accuracy and repeatability in drug preparation processes. With its integrated software system, it enables full digital control of prescription management, dose calculation, data tracking, and reporting processes.

The system is designed to operate within a negative pressure environment, preventing hazardous drug exposure and ensuring operator safety at the highest level. Its closed system structure minimizes contamination risk and prevents environmental exposure to cytotoxic agents. With its user-friendly interface and intelligent control mechanisms, it increases efficiency and standardizes workflow processes.





## KEY FEATURES

- Provides a safe working environment with a negative pressure biosafety cabinet and dual-station structure, supporting high-efficiency workflows.
- Enables precise fluid transfer down to 0,2 mL, ensuring high dosing accuracy even at low volumes.
- Each transfer step is controlled through channel-based verification and a gravimetric measurement system, ensuring maximum safety.
- Provides fast and uninterrupted production in intensive workloads with filling speeds up to 1.000 mL/min.
- Enables patient-specific formulations to be prepared digitally through integrated prescription management.
- Minimizes user errors and enhances process safety thanks to the barcode-supported verification system.
- Supports sterile working conditions by reducing contamination risk to the lowest level with its closed system design.



## COMPLEMENTARY ACCESSORIES



### Barcode Reader

Used for barcode verification and traceability.



### Calibration Weight

Used for scale calibration.



### Thermal Label Printer

Used for printing bag labels.

TECHNICAL SPECIFICATIONS	
<b>Dimensions (W×D×H)</b>	167x105x257 cm
<b>Weight</b>	395 kg
<b>Maximum Liquid Transfer Rate</b>	1.000 mL/min
<b>Minimum Liquid Transfer Volume</b>	0,2 mL
<b>Accuracy</b>	0,2 mL - 10 mL → ± 0,1 mL >10 mL → ± %3
<b>Operating Temperature</b>	10°C / 40°C
<b>Storage Temperature</b>	-10°C / 50°C
<b>Power Rating</b>	110 - 240 V AC, 50/60Hz 55W

# CHEMOTHERAPY PREPARATION CONSUMABLES



## **BT0090ER**

### EXTENSION LINE TRANSFER SET - VERSION E1

- Designed for the safe transfer of chemotherapy drugs.
- Reduces drug exposure and contamination risk with its closed system structure.
- Compatible with automatic filling systems.



## **BT0055ER**

### EXTENSION LINE TRANSFER SET - VERSION E

- Ensures safe and controlled transfer of cytotoxic drugs.
- Closed system design enhances operator safety.
- Provides secure use with leak-proof connection structure.



## **BT0053ER**

### CHEMOTHERAPY BAG SPIKE

- Enables safe fluid transfer from chemotherapy bags.
- Prevents drug loss and exposure thanks to its leak-proof connection.
- Offers fast and practical use in clinical applications.



## **IP0098ER**

### PERFUSION INJECTOR

- Provides safe and controlled application in fluid transfer with precise dosing structure.
- Features light-protective design.

# CHEMOTHERAPY PREPARATION CONSUMABLES

## VIAL ADAPTERS



### VIAL ADAPTER

- Provides safe fluid transfer compatible with different vial types.
- Reduces drug loss and contamination risk thanks to its leak-proof connection structure.
- Ensures safe fluid transfer with its integrated filter structure.

Reference No	Product Name	Product Feature
BT0097ER	Vial Adapter - 20 mm	Transparent, light-protective design allows monitoring of fluid flow.
BT0098ER	Vial Adapter - 13 mm	Transparent, light-protective design allows monitoring of fluid flow.
BT0197ER	Vial Adapter - 20 mm Version A	Opaque structure provides protection against light.
BT0198ER	Vial Adapter - 13 mm Version A	Opaque structure provides protection against light.



### VIAL ADAPTER BUBBLE SYSTEM

- Provides safe fluid transfer with integrated balloon system ensuring pressure balance.
- Reduces drug loss and contamination risk thanks to leak-proof connection structure.
- Ensures safe fluid transfer with integrated filter structure.

Reference No	Product Name	Product Feature
BT0051ER	Vial Adapter 20 mm Bubble System	Transparent, light-protective design allows monitoring of fluid flow.
BT0052ER	Vial Adapter 13 mm Bubble System	Transparent, light-protective design allows monitoring of fluid flow.
BT0297ER	Vial Adapter 20 mm Bubble System - Version A	Opaque structure provides protection against light.
BT0298ER	Vial Adapter 13 mm Bubble System - Version A	Opaque structure provides protection against light.

# CHEMOTHERAPY PREPARATION CONSUMABLES

## VIAL ADAPTERS



**BT0099ER**  
VIAL ADAPTER - VERSION E

- Compatible with different vial caps thanks to its universal design.
- Provides safe and controlled fluid transfer.
- Ensures safe use with its leak-proof connection structure.



**BT0100ER**  
VIAL ADAPTER - 20 MM TRANSPARENT

- Compatible with 20 mm vial types and ensures safe fluid transfer.
- Reduces drug loss and contamination risk with its leak-proof connection structure.
- Ensures safe fluid transfer with its integrated filter structure.



**BT0101ER**  
VIAL ADAPTER - VERSION C

- Provides secure connection thanks to its injector-compatible design.
- Offers safe and controlled fluid transfer with its leak-proof structure.



# CHEMOTHERAPY APPLICATION CONSUMABLES

## EXTENSION LINE TRANSFER SETS



### EXTENSION LINE TRANSFER SET – VERSIONS 1, 2, 4

- Available with 1, 2, or 4 inlet port options.
- Designed for safe and controlled transfer of chemotherapy drugs.
- Reduces drug exposure and contamination risk with its closed system structure.
- Ensures safe use with leak-proof connection components.

Reference No	Product Name	Product Feature
BT0094ER	Extension Line Transfer Set – Version 1	1 inlet port available.
BT0095ER	Extension Line Transfer Set – Version 2	2 inlet port available.
BT0096ER	Extension Line Transfer Set – Version 4	4 inlet port available.



### EXTENSION LINE TRANSFER SET

- Designed for safe and controlled transfer of chemotherapy drugs.
- Closed system structure reduces drug exposure and contamination risk.
- Available with inlet port / no port and 0.2 µm advanced filter options.

Reference No	Product Name	Product Feature
BT0102ER	Extension Line Transfer Set 1	No inlet port, no filter
BT0103ER	Extension Line Transfer Set 2	With inlet port, without filter
BT0104ER	Extension Line Transfer Set 3	No inlet port, with 0.2 µm filter
BT0105ER	Extension Line Transfer Set 4	With inlet port and 0.2 µm filter

# CHEMOTHERAPY APPLICATION CONSUMABLES



## BT0091ER

### WITHOUT EXTENSION LINE TRANSFER SET

- Used for fluid transfer.
- Ensures safe and controlled fluid flow.
- Ensures ease of use.

## CHEMOTHERAPY BAGS



## CHEMOTHERAPY BAG UV

- Provides high protection with UV-protected EVA structure for light-sensitive drugs.
- Manufactured from materials free of PVC, DEHP, and latex for patient safety.
- Different volume options are available to meet clinical needs.
- Compatible with both automatic filling systems and manual use.

Reference No	Product Name
BT0394ER	Chemotherapy Bag UV 250 ml
BT0395ER	Chemotherapy Bag UV 500 ml
BT0396ER	Chemotherapy Bag UV 1000 ml
BT0397ER	Chemotherapy Bag UV 2000 ml
BT0398ER	Chemotherapy Bag UV 3000 ml



# CHEMOTHERAPY APPLICATION CONSUMABLES

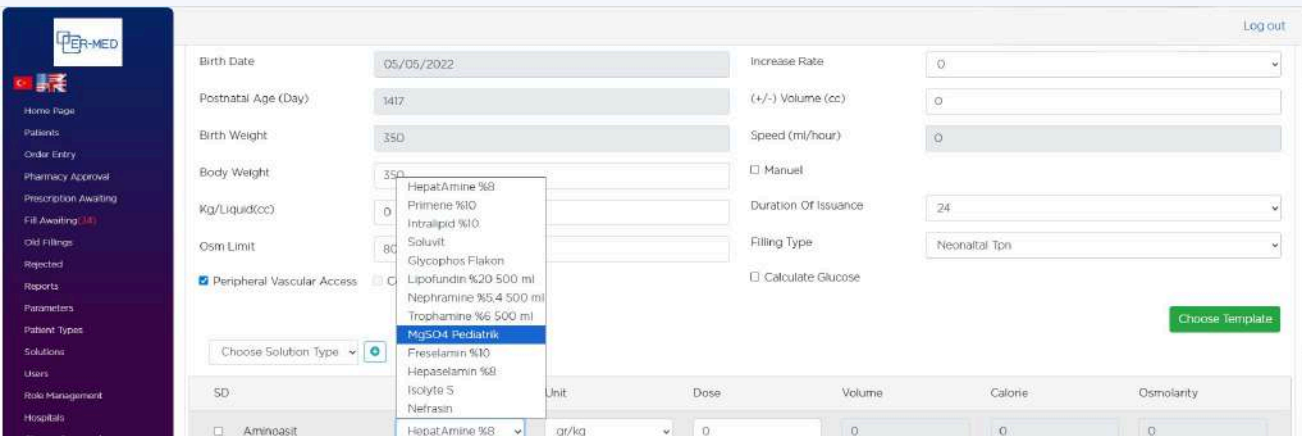
## CHEMOTHERAPY SETS



### AUTOMATIC CHEMOTHERAPY PREPARATION SET

- Designed for the safe and controlled preparation of chemotherapy drugs.
- Compatible with automatic filling systems.
- Ensures safe use with leak-proof connection components.
- Provides practical and standardized process management in clinical applications.

Reference No	Product Name	Set Contents
BT0160ER	Automatic Chemotherapy Preparation Set Version 1 - 250 ml	<ul style="list-style-type: none"> <li>• Chemotherapy Bag UV 250 ml</li> <li>• Without Extension Line Transfer Set</li> <li>• Vial Adapter 13 mm</li> </ul>
BT0161ER	Automatic Chemotherapy Preparation Set Version 1 - 500 ml	<ul style="list-style-type: none"> <li>• Chemotherapy Bag UV 500 ml</li> <li>• Without Extension Line Transfer Set</li> <li>• Vial Adapter 13 mm</li> </ul>
BT0162ER	Automatic Chemotherapy Preparation Set Version 1 - 1000 ml	<ul style="list-style-type: none"> <li>• Chemotherapy Bag UV 1000 ml</li> <li>• Without Extension Line Transfer Set</li> <li>• Vial Adapter 13 mm</li> </ul>
BT0163ER	Automatic Chemotherapy Preparation Set Version 2 - 250 ml	<ul style="list-style-type: none"> <li>• Chemotherapy Bag UV 250 ml</li> <li>• Without Extension Line Transfer Set</li> <li>• Vial Adapter 20 mm</li> </ul>
BT0164ER	Automatic Chemotherapy Preparation Set Version 2 - 500 ml	<ul style="list-style-type: none"> <li>• Chemotherapy Bag UV 500 ml</li> <li>• Without Extension Line Transfer Set</li> <li>• Vial Adapter 20 mm</li> </ul>
BT0165ER	Automatic Chemotherapy Preparation Set Version 2 - 1000 ml	<ul style="list-style-type: none"> <li>• Chemotherapy Bag UV 1000 ml</li> <li>• Without Extension Line Transfer Set</li> <li>• Vial Adapter 20 mm</li> </ul>



# SKYNET SOFTWARE

AN INTEGRATED SOFTWARE SOLUTION THAT MANAGES PATIENT-SPECIFIC IV DRUG AND PARENTERAL NUTRITION PROCESSES IN A SAFE, TRACEABLE, AND EFFICIENT MANNER.

01

## INTEGRATION

Manages all processes from prescription data to production stages with full integration with HIS and other data systems, ensuring automatic and error-free workflows.

04

## TRACEABILITY

Provides detailed reporting and labeling capabilities by recording all preparation processes.

02

## DOSE CONTROL

Supports safe prescription creation, automatic calculations, and dose limit controls, minimizing the risk of errors.

05

## CALCULATION

Supports clinical accuracy through calculation of nutrition and drug contents, warning mechanisms, and control algorithms.

03

## SECURITY

Ensures secure usage through advanced user authorization, access control, and process logging systems.

06

## EASE OF USE

Increases operational efficiency with multi-user support and multiple language options.

# CLOSED URINE MEASUREMENT SYSTEM



The closed urine measurement system is a medical solution that enables safe, accurate, and hygienic monitoring of urine output in patients. With its closed system design, it minimizes infection risk while providing reliable data tracking in clinical processes thanks to its high-precision measurement capacity. Its user-friendly design and practical features make it easy for healthcare professionals to use.

- 500 mL measuring chamber provides precise urine output monitoring.
- Graduated structure allows easy and accurate measurement.
- Compartmentalized design ensures controlled use.
- Hydrophobic filter ensures system integrity.
- Can measure up to 50 mL with high sensitivity.
- Adjustable hanger enables easy use.
- 2000 mL capacity urine collection bag allows long-term use.
- T-type outlet valve structure enables safe drainage.
- Kink-resistant wide-diameter tubing ensures uninterrupted fluid flow.
- Sampling port allows easy specimen collection.
- Anti-reflux (backflow prevention) bypass system ensures additional safety.



# **RELIABLE TECHNOLOGY IN DRUG PREPARATION – WITH ER-MED ASSURANCE**



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