



ADVANCED WOUND MANAGEMENT SYSTEM - NPWT

# TOPIVAC

## NEGATIVE PRESSURE TOPICAL VACUUM WOUND CARE THERAPY DEVICES & SETS



It is a non-invasive, developed wound treatment method that has proven itself in wound healing. These conventional vacuum-assisted negative pressure treatment units & wound dressing are needed to apply controlled negative pressure (subatmospheric) to the wounded area. It is an active system that supports healing in difficult-to-heal open wounds (eg. acute, traumatic, or chronic), burns, diabetic/pressure ulcers. Accelerates tissue healing with increasing microcapillary circulation by applying controlled local negative pressure.

TOPI disposable group is designed for the end user & home care, while the Hand and Medium group devices offer more complex treatment systems. Professional models also include wound irrigation, gas therapy with oxygen and ozone, moistening and electrostimulation treatment methods. By applying all these treatments with a single device, obstacles to the normal healing process of the tissue are removed; complications, hospitalization period and cost are reduced. Prevents tissue dryness by providing the sterile and moist environment necessary to preserve tissue functions in the wound, and removes exudate and toxic substances from the wound bed without drying the wound centre.

Briefly, TopiVac is an advanced technology treatment system that allows the healing of burn tissue and open wounds quickly and under appropriate conditions, away from the risk of infection.

## **Models;**

### **Mobile Disposable Classic Vacuum**

#### **Assisted NPWT Wound Care**

#### **Therapy Device and Dressing Set**

-TOPI A100 Classic

-TOPI A200 Incision

### **Topical Vacuum Therapy Devices**

-HAND T-NPWT Classic

-HAND T-NPWT Digital Irrigation

-MEDIUM V2

-MEDIUM CLINIC / V4

### **Topical Vacuum Therapy Sets**

#### **(Consumables)**

-MultiDRESS

-Closure Foams

-MultiCASE

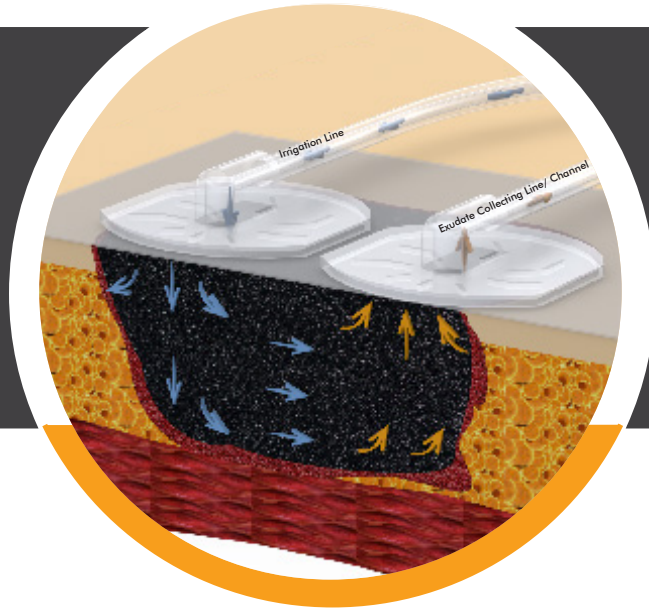
-Canister

-Ozone Bag

-TopiSET

**TOPIVAC**  
**TOPICAL VACUUM**  
**THERAPY UNITS**

# Working Principle



**Diabetic Foot Wound**



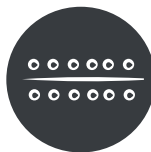
**Plastic Surgery Wounds**



**Chronic Wound**



**Pressure / Bedsore Wound**



**Caesarean Section Wounds**



**Incision Wounds**



**Venous Ulcer**



**Infected Wounds**



**Burn Wound**



**Cardiothoracic & Vascular Surgical Wounds**



**Obstetric & Gynaecological Surgery Wounds**



**Orthopaedic Surgery Wounds**

**WHICH WOUND TREATMENTS IS IT USED?**



It's a negative pressure wound treatment with a single treatment protocol, designed for single patient use. The negative pressure wound closure system accelerates tissue healing by increasing microcapillary circulation. The device and dressing set operate in harmony and integration with each other.

The system is an active wound treatment system that maximizes patient treatment comfort. Its compact and ergonomic mobile structure (the size of a mobile phone) offers patients quality life and comfort of movement without restricting their daily lives and mobility during wound treatment processes.

While it heals wounds quickly and effectively, reduces the need for expert personnel with its ease of application and provides ease of home wound care and mobility to patients. Reduces hospitalizations, lowers treatment costs and provides more efficient and widespread delivery of health services.

## **TOPI MOBILE DISPOSABLE NPWT WOUND THERAPY DEVICES & SET**





*Ease of Wound Care at Home*

TOPI A100 continuously draws exudate from the wound via a special dressing set applied to the wounded area specially produced for the device; provide equal distribution of negative pressure to the wounded area. Heal the wound by forming granulation.

# TOPI A100

## MOBILE DISPOSABLE CLASSIC NPWT VACUUM ASSISTED WOUND CARE THERAPY DEVICE

- Diabetic foot wound,
- Pressure / bedsore wound,
- Chronic wound,
- Non- healing wound,
- Burn wound,
- Infected wounds

Used for rapid healing of all kinds of wounds up to 100 cm<sup>2</sup> with the approval of the physician.







*Advanced Wound Management*



# *Incision Management*





TOPI A200 continuously draw exudate from the wound via a special dressing set applied to the wounded area specially produced for the device; provide equal distribution of negative pressure to the wounded area.

Unlike the A100, the A200 is designed for use post-operative incision wounds. Vacuum values are lower and with its special medical foam specific for incision wounds, keeps the incision edges together without damaging the sutures, provides rapid healing of the wound and helps to prevent scarring aesthetically.



# TOPI A200

## MOBILE DISPOSABLE INCISION NPWT VACUUM ASSISTED WOUND CARE THERAPY DEVICE

- Incision wounds,
- Chest and plastic surgery wounds,
- Orthopaedic surgery wounds,
- Cardiothoracic surgical wounds,
- Vascular surgical wounds,
- Obstetric & gynaecological surgery wounds,
- Caesarean section wounds and similar wounds

Used by physicians after surgery to reduce the risk of hospital infection, to prevent the wound from becoming infected, to heal the wound quickly and to prevent scarring.

# TOPI Mobile Disposable NPWT Vacuum Assisted Wound Care Therapy Set

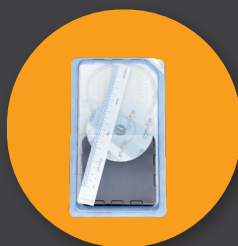
## TOPI Mobile Disposable NPWT Vacuum Assisted Wound Care Therapy Set

Includes 1 Protocol and 5 Dressing Treatment Sterile Products.

- 1 TOPI Mobile Disposable NPWT Vacuum Assisted Wound Care Therapy Device (TOPI A100 or TOPI A200)
- 5 Pcs Dressing Foam Set (Classic or Incision)
- 5 Pcs 75 cc Canister
- 1 Pcs Extension Hose
- 1 Pcs Extra 30x40 cm Drape
- 1 Pcs Device Carry Bag
- 1 Pcs User Manual



TOPI A100 Classic NPWT Vacuum Assisted Wound Care Therapy Device



Classic Dressing Foam Set  
10\*10 cm Dressing Foam  
1 Pcs Trackpad  
1 Pcs 30x40 cm Drape  
1 Pcs Ruler



30\*40 cm Drape



Extension Hose



TOPI A200 Incision NPWT Vacuum Assisted Wound Care Therapy Device



Incision Dressing Foam Set  
4,5\*22 cm Dressing Foam  
1 Pcs Trackpad  
1 Pcs 30x40 cm Drape  
1 Pcs Ruler



75 cc Canister



Device Carry Bag

# ADVANTAGES



## Practical and Easy to Use

- Ease of starting and ending treatment with one button.



## Visual & Audible Warning System

- High security with visual & audible warning system.  
(Instant alert during vacuum leak, full canister and low battery)



## User Friendly

- Zero cross-contamination risk.
- Zero cost for preventive maintenance.
- Canister-based system for effective exudate management.
- A small lightweight design that is easy to wear or hang on the body, can be hidden under clothes, **helps you continue your social life uninterrupted without anyone noticing.**
- Thanks to its innovative design that allows silent operation during therapy, does not disturb you even in your sleep.
- Uninterrupted treatment thanks to efficient battery usage.



## Ease of Use Without Expert Personnel

- Adaptable from hospital to long-term care, outpatient settings or home care.



## Skin Friendly

- Optimum breathability for the patient's healthy skin while maintaining a vacuum environment for the wound.
- Special foam system used for sucking exudates and any wound fluids by creating a hygiene environment in the wound.



## Movement Comfort

- Special dressing set provides a strong adhesive bond to maintain an active lifestyle while keeping the dressing intact during treatment.
- Quality life and comfort of movement with its compact mobile structure.

*Beyond That Is The Patient Comfort...*





*More Than Vacuum Therapy*



TopiVac Hand Classic & Hand Digital Irrigation  
Vacuum Assisted (NPWT) Wound Closure  
Therapy Devices

It is an active system that applies controlled local negative pressure that supports healing in noninvasive acute and chronic wounds.

It continuously draws exudate (wound fluid) from the wound by means of a special sponge (foam) dressing set (TopiVac MultiDRESS) specially produced for the device applied to the wounded area. Provides that the negative pressure is evenly distributed over the wounded area. Heals the wound by forming granulation. The negative pressure wound closure system accelerates tissue healing by increasing microcapillary circulation.

Hand T-NPWT Digital Irrigation Device; on the other hand, provides the removal of exudate and necrotic materials from the wound bed by irrigating the wound together with the closure sets, as a support of VAC treatment.



HAND T-NPWT  
WOUND THERAPY  
DEVICES

TREATMENT METHODS	HAND T-NPWT CLASSIC	HAND T-NPWT DIGITAL IRRIGATION
		
Intermittent & Increasing Vacuum Therapy	+	+
Classic Negative Pressure Vacuum Therapy	+	+
Irrigation Under Vacuum	-	+
Moistening	-	+

# WHAT'S THE TOPIVAC TOPICAL HYBRID WOUND THERAPY SYSTEM ?

- TopiVac Professional Hybrid NPWT Devices are Topical Vacuum, Ozone, Oxygen Treatment Applied, Irrigation, Electrostimulation, Vacuum - Assisted, Wound and Burn Treatment Devices.
- Professional type wound care devices, which have a complex system and treatment method unlike the known vacuum assisted wound closure dressings, are available in two different models.
- Increases the patient's quality of life and reduces treatment costs. Heals wounds faster and more effectively than conventional vacuum assisted devices used in the market. Enables clinical studies for physicians.
- The devices allow you to apply the right treatment to the patient in the fastest way, depending on the type of wound or burn, thanks to the easy-to-use main and intermediate menu. Its user-friendly software where you can apply ready-made prescriptions provides the fastest application of the most accurate treatment specific to the patient and the wound.
- Easy to carry thanks to its ergonomic structure. It is made of, cleanable, antibacterial material suitable for use in services and intensive care. It is a complex system and form of treatment, unlike known vacuum-assisted closure dressings.



TREATMENT METHODS	MEDIUM V2	MEDIUM CLINIC V4
		
Intermittent & Increasing Vacuum	+	+
Conventional NPWT	+	+
Moistening	+	+
O <sub>2</sub> Instillation / Irrigation	+	+
O <sub>3</sub> Instillation / Irrigation	-	+
O <sub>2</sub> Gas Therapy	+	+
O <sub>3</sub> Gas Therapy	-	+
Electro / Tens	-	+



# PROFESSIONAL CLINIC TYPE

## HYBRID TOPICAL GAS VACUUM ASSISTED

### WOUND THERAPY DEVICES

#### MEDIUM V2

Medium V2 Topical Vacuum Oxygen Therapy Applied, Irrigation, Wound and Burn Treatment Device, unlike conventional vacuum assisted closure dressings, is a complex system and form of treatment. Enables both oxygen gas therapy and irrigation and moistening with oxygenated bidistillated water to the wound under vacuum. Thus, accelerates the healing process with the oxygen gives to the wound bed. Provides the revival of organic functions and the activation of the immune system at the cellular level.

Diffuses the oxygen it gives to the wound bed directly to the cell, thanks to special wound closure sets, and accelerates the healing process at the cellular level, prevents the reproduction of bacteria and microorganisms and helps to strengthen the leukocyte activation in the wound area. With this respect, it is much more effective than the classical VAC system and offers rapid recovery.

#### MEDIUM CLINIC V4 HYBRID WOUND THERAPY DEVICE

Medium Clinic V4 Topical Vacuum Wound and Burn Therapy Device is a system that has oxygen & ozone gas therapy, moistening, wound irrigation with both oxygen & ozone and with any medicine of the physician's choice, also tens therapy (electrostimulation).

Consists of an advanced device and wound closure sets that can be used in the treatment of burn wounds and all kinds of open wounds, both to create a classic vacuum to provide subatmospheric pressure on the wound and to create negative pressure on the closure set, and to create the oxygen, ozone and moisture required for the rapid healing of the wound. **All functions are performed under vacuum.**





This complex system is the first and only in the world, and has been proven to provide much faster wound healing than conventional VAC treatment.

- Accelerates the healing process with the oxygen it gives to the wound bed,
- Thanks to ozone gas, destroys the infection and prevents re-infection,
- Thanks to its electrostimulation feature, which is based on activating the skin, subcutaneous tissues and deep muscle groups with high-frequency electrical impulses, accelerates the healing process in the wound and muscle tissue and reduces pain.

*50% - 70% Faster Healing in Wound*



# TOPIVAC DEVICE FUNCTION COMPARISON TABLE

TREATMENT METHODS	Vacuum	Intermittent & Increasing Vacuum	Wound Irrigation	Irrigation Type	Moistening	Gas Therapy	Tens
<b>TOPI A100 CLASSIC</b> ORDER NO: 110188 	+	-	-	-	-	-	-
<b>TOPI A200 INCISON</b> ORDER NO: 110164 	+	-	-	-	-	-	-
<b>HAND T-NPWT CLASSIC</b> ORDER NO: 12236 	+	+	-	-	-	-	-
<b>HAND T-NPWT IRRIGATION</b> ORDER NO: 12229 	+	+	+	Bidistillated Water	+	-	-
<b>MEDIUM V2</b> ORDER NO: 12212 	+	+	+	Bidistillated Water With O <sub>2</sub>	+	O <sub>2</sub>	-
<b>MEDIUM CLINIC V4</b> ORDER NO: 12205 	+	+	+	O <sub>2</sub> & O <sub>3</sub> Bidistillated Water	+	O <sub>2</sub> & O <sub>3</sub>	+



# TOPICAL VACUUM THERAPY SETS

## MULTIDRESS

MultiDRESS is a dressing set with a special sponge (foam) applied to the wounded area, specially produced for the device, and provides equal distribution of negative pressure to the wounded area. Accelerates tissue healing by forming granulation and helps the wound to heal.

The sets are diversified in size and shape. There is a wide range of sizes and shapes available. However, according to the purposes of use; our MultiDRESS sets are classified in 3 different groups as single ventouse, double ventouse and incision.

Our single ventouse sets; only suitable for use in conventional vacuum assisted therapy. (There is also an abdominal model.)

Our double ventouse sets; are suitable for use in wound irrigation device models. Used in O<sub>2</sub>/O<sub>3</sub> gassing and irrigation treatment as well as classic vacuum therapy.

Our incision sets; are suitable for use in incision wound treatments after surgical operations.

### MultiDress Ingredients Information

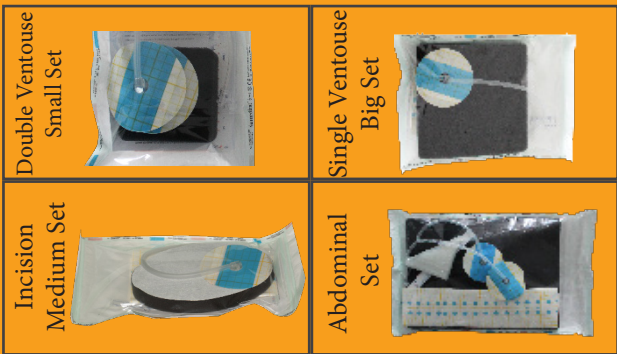


- Medical Foam
- Medical Drape
- 1 pcs vacuum hose 35 cm
- 1 pcs irrigation hose 35 cm\*
- 1 pcs irrigation hose 145 cm\*
- 1 pcs trackpad (+1\*)
- EO sterilization package
- Patient chart
- User manual

*\*Used with devices with irrigation function.  
Example image is the small set with double ventouse.*

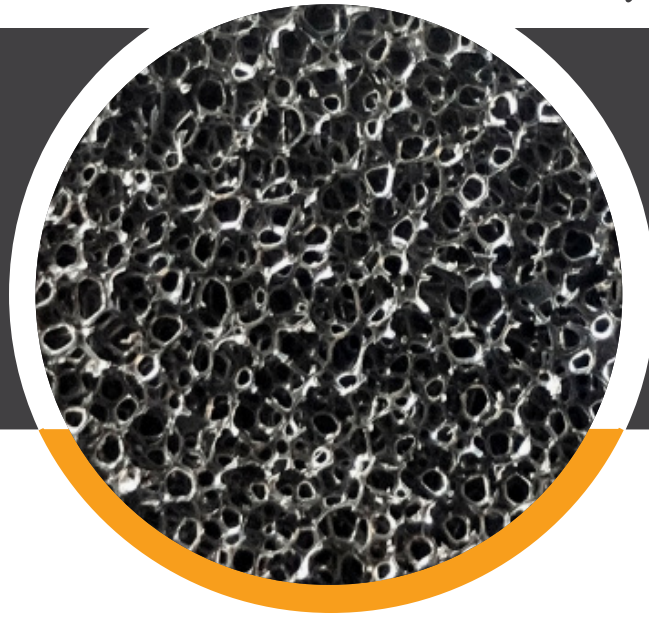
*Sets cannot be used alone in wound treatment. However, if they are used together with the related TopiVac brand devices, used for topical vacuum wound treatment.*

### Sample Models;



All MultiDRESS sets and components are EO sterile and biocompatibility tests have been carried out.

# Optimal Breathability



## Medical Foam

- Helps the formation of granulation in the wound.
- Provides the wound exudate to be absorbed.
- It is hydrophobic, soft and porous.
- Has high durability and flexibility.
- Allows the passage of gas and does not stick to the wound.
- They fit perfectly when placed in the wound centre.
- Accelerates the healing process at the cellular level by delivering the oxygen and ozone given to the wound bed under negative pressure with the device to the wound without damaging the tissue and directly diffusing it into the cell.
- Together with the device, inhibits the growth of anaerobic bacteria and helps to strengthen the leukocyte activation in the wound area.
- **Not interact chemically with ozone gas and oxygen.**



## Medical Drape

- It is a component that is placed on the wound and foam, to fix the foam and to enable the active device to vacuum, cut the contact of the wounded surface with the air and provide a negative pressure environment.
- Provides a strong and flexible adhesive bond to maintain an active lifestyle while keeping the dressing intact.
- Acts as a good barrier against bacteria.
- While it is providing soft and safe adhesion to the wound circumference and healthy skin, reduces pain during dressing changes.
- Resistant to sweat and liquids.
- Has the feature of staying on the skin for a long time.

It is the cup used to transfer the irrigation liquid to the patient for irrigation and gas treatment. Has device and patient connections and is used as a mix generator in the O<sub>2</sub>/O<sub>3</sub> gassing & irrigation treatment function. Also enables putting medicine in the irrigation liquid. (The bidistilled, oxygenated, ozonized or medicated water to be used should be applied with a doctor's prescription and control.) Irrigation hose and collecting hose are separate from each other, eliminating the risk of infection and cross-contamination. It is EO sterile.



**MULTICASE**  
(Irrigation Cup)

Absorbs the exudate from the wound with a vacuum-assisted device and traps it inside. While the integrated filter system inside the device prevents the passage of liquid into the device, the special chemical component (gel) in the unit prevents the spread of odour to the external environment. The solidifying gel in each collecting set prevents the movement of the collected waste liquid and increases the safety of the environment. The collecting sets are integrally connected with the vacuum device. The luer-lock spout allows an easy and safe connection with the closure on the wound. It is EO sterile. It is available in 3 different sizes; 500 ml, 1000 ml to be used in Hand and Medium models, and 75 ml to be used in Topi models.

**CANISTER**  
(Collecting Unit)



**OZONEBAG**

Used in ozone therapy application of Medium Clinic V4 devices to provide tightness for effective dressing and to trap ozone inside. No contact with the wound and intact skin. Foot & leg – Hand & arm and Body models are available. It is EO sterile.

**TOPISET**


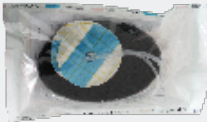



Topiset is an integrated wound care treatment set used in the TopiVac Medium Clinic V4 model, which enables the application of all hybrid treatments. With this set, O<sub>2</sub>/O<sub>3</sub> gas therapy, TENS therapy, vacuum therapy and wound irrigation with O<sub>2</sub>/O<sub>3</sub> bidistilled water are all combined.



# TOPIVAC MULTIDRESS - CLOSURE SET


<b>MULTIDRESS CLASSIC CLOSURE SET</b> (Suitable for devices without irrigation function) (Single Ventouse & Tubing)			
	Single Ventouse Small 1010	ORDER NO	REF NO
		12007	ATPVSSF1010
	Single Ventouse Medium 1320	ORDER NO	REF NO
		12014	ATPVSMF1320
	Single Ventouse Large 2020	ORDER NO	REF NO
		12021	ATPVSLF2020
	Single Ventouse (Abdominal)	ORDER NO	REF NO
		10324	ATPVSAF

<b>MULTIDRESS IRRIGATION CLOSURE SET</b> (Suitable for devices with irrigation function) (Double Ventouse & Tubing)			
	Double Ventouse Small 1010	ORDER NO	REF NO
		11963	ATPVHMDS1010
	Double Ventouse Medium 1320	ORDER NO	REF NO
		11970	ATPVHMDM1320
	Double Ventouse Large 2020	ORDER NO	REF NO
		11987	ATPVHMDL2020

# TOPIVAC MULTIDRESS - CLOSURE SET



## MULTIDRESS

(Incision Wound Closure Set)(Single Ventouse&Tubing)

		ORDER NO	REF NO
	Vacuum Assisted Spiral Small Incision Closure Set	12038	ATPVISF
	Vacuum Assisted Spiral Medium Incision Closure Set	12045	ATPVIMF
	Vacuum Assisted Spiral Large Incision Closure Set	12052	ATPVILF

## MULTICASE IRRIGATION CUP



(Suitable for use with Medium V4, V2, Hand Irrigation Devices)

		ORDER NO	REF NO
	Multicase Irrigation Cup (500 ml)	12243	TPVMPRN
	Multicase Irrigation Cup 1000 ml	11956	ATPVMPR

# MULTICASE - IRRIGATION CUP CANISTER - COLLECTING UNIT


## CANISTER COLLECTING UNIT

(Suitable for use with Medium and Hand Devices)

		ORDER NO	REF NO
		12090	ATPVCA1000
	Canister 500 ml Collecting Unit	12106	ATPVCA500

## Topical Hybrid Electrotens Wound Closure and Dressing Sets


Including 1 Canister, 1 Multicase, 1 MultiDRESS (Double Ventouse&Tubing) and other pieces which necessary for ozone & tens therapy (Suitable for use with Medium V4)

		ORDER NO	REF NO
		11444	ATPVST1010
	Topical Vacuum Wound Instillation Therapy Tens Combined Therapy Set Medium 1320	11475	ATPVST1320
	Topical Vacuum Wound Instillation Therapy Tens Combined Therapy Set Large 2020	11482	ATPVST2020



### OZONE BAG

(Used in ozone therapy application of Medium V4 devices)

		ORDER NO	REF NO
		10430	ATPVSO3EM
	Foot & Leg	10461	ATPVSO3AM
	Body	10492	ATPVSO3BM

### OZONE BAG

(Used in ozone therapy application of Medium V4 devices)

		ORDER NO	REF NO
		10683	ATPVSYKO
	Medical Drape	10171	ATPVSDRP3
	Electrode Pad	12168	
	Electrotens Cable	12175	
	Peristaltic Pump Hade (for Incision Function)	12182	

## BIOCOMPATIBILITY TEST REPORTS

### TOPICAL VACUUM THERAPY SET

(MultiDRESS, MultiCASE, Canister, Ozone Bag, TopiSET)\*

- Acute Systemic Toxicity Test (ISO 10993-11)
- Skin Irritation Test (ISO 10993-10)
- Skin Sensitization Test (ISO 10993-10)
- Genotoxicity Assay (In Vitro Micronucleus Test, OECD 487)
- Genotoxicity Test (Mutation Test-Ames Test, OECD 471)
- In Vitro Cytotoxicity Assays (ISO 10993-5)
- Implantation Test (ISO 10993-6) (1-6 Weeks) Rabbit
- Pyrogenicity Test
- Subacute Systemic Toxicity Test (ISO 10993-11)
- Bioburden (Aerobic, Mold And Yeast) Assay (ISO 11737-1)
- Bioburden (Anaerobe) Assay (ISO 11737-1)
- Sterility Test (ISO 11737-2)
- Residue Test (Ethylene Chlorohydrin) (ISO 10993-7)
- Residue Test (Ethylene Oxide) (ISO 10993-7)

## ELECTRICAL MEDICAL EQUIPMENT TEST REPORTS

### TOPI

- EN 60601-1:2006
- EN 60601-1-2:2015
- EN 60601-1-6:2010/A1:2015
- EN 60601-1-8:2007/A11:2017
- EN 60601-1-11:2015

### HAND & MEDIUM

- EN 60601-1:2006
- EN 60601-1-2:2015
- EN 60601-1-6:2010/A1:2015

The device is used together with the sets, with a doctor's prescription, only for patients who have been deemed suitable for treatment by the doctor.

### **Wound Therapy with Vacuum + Gas+ Moistening**

Before Treatment



13 days later



### **Wound Therapy with Vacuum + Gas+ Irrigation**

Before Treatment



After 8 Sessions



### **Wound Therapy with Vacuum + Gas+ Irrigation + TENS**

Before Treatment



After 10 Sessions



### **Wound Therapy with Vacuum + Gas+ Irrigation**

Before Treatment



After 10 Sessions



### **Ozone Therapy with TopiVac Under the Foam**

Before Treatment



After 6 Hours



### **Under Vacuum $O_2$ (Oxygen) + $O_3$ (Ozone) Vacuum Therapy**

Before Treatment



After 6 Sessions



### **Vacuum + $O_2$ Gas + Wound Irrigation Therapy with $O_2$ Bidistillated Water**

Before Treatment



After 36 Days



### **Vacuum + $O^2$ Gas + Wound Irrigation Therapy with $O_3$ Bidistillated Water**

Before Treatment



After 6 Days



### **Vacuum + Wound Therapy with Ozone Gas**

Before Treatment



In treatment



After 3 Sessions





*Quality Life, Movement Comfort*

**TOPIVA<sup>®</sup>**  
WOUND CARE  
TOPICAL  
VACUUM  
TREATMENT  
UNIT



topi.vac



Topivac NPWT



TopiVac Advanced Wound Care



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