



nu med technologies
the utmost degree of confidence in quality & service

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Numed Technologies, a manufacturer and exporter of medical grade Numed®: Organic C3I Gel Technology based rehabilitation products, Foot Care, Health Care, Gel Cushioning & Operation Theater Product range.

Targeting Prolonged Surgery

- ✓ **Surgical positioning**, especially during prolonged surgery, is an important task preventing any pressure or illicit physiological response.
- ✓ **Prone positions** post anesthesia for longer durations is linked with pressure applied and its applied time (it is advisable to provide intermediate release of pressure); body physiology and age compatibility along with damage incurred by pressure, shear and frictional impact also make patient vulnerable. It cause multiple pressure sores at various sites.
- ✓ Proper patient positioning on the operating table padded with **organo gel padding** is essential to allow optimal surgical exposure and to **prevent neuromuscular injuries**. Dependent portions are at risk for compression injury on body parts i.e. eyes/ears; penis/scrotum; breasts; fingers and; pendulous injury(OT table related injury).
- ✓ As compared to rubber, latex, foam, silicone and any other product line, C₃I Gel offers complete **elastomeric** along with **cushioning and comfort** such that **no pressure is induced on any aligned or relieved body parts** supported during such positions.

Numed®:OrganicC3IGelTechnology

The Numed®: Organic C3I Gel Technology works on the principle of pressure redistribution however, every technology creates its own pressure as its nature of counter reaction to any surface based on Newton's third law. However, if the cushioning is supreme the pressure will immerse into the surface like memory foam and will be release slowly back when the limb is removed. In such cases, due to lack of elastomeric distribution it might not be effective for positioning devices. On the other hand, only elastomeric will equalize the pressure without cushioning might cause damage to other nearby sites as observed in latex based material. **An optimum of both such cushioning and elastomeric is essential for right pressure distribution with comfort to the site under stress.**

- ✓ Numed® Operation Theatre Positioning devices complied with SOPs laid down by Association of Surgical Technologists(AST-SOPs)

Numed®: Organic C3I Gel Technology vs. Other Technologies

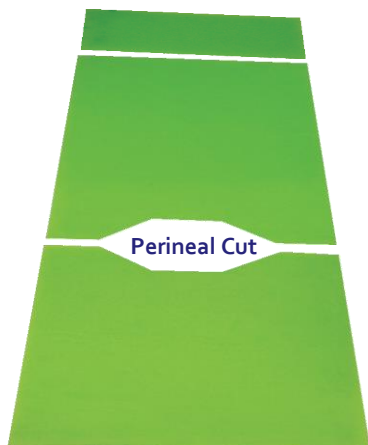
OrganicC ₃ IGelTechnology	OtherTechnologies
Single phase able to contour as well as provides cushioning along with elastomerism makes it an ideal system for 100 % seamless pressure distribution.	Two phases - one for cushioning material while other to develop contoured body part working in conjugation. Such technology has limitation that two phases of different nature cannot produce a seamless pressure distribution.
C ₃ I Gel Technology is organic in nature with artificial cushioning, comforting, able to contoured into any desired shape & inert-ideal for operation theatre needs.	Foam and silicone gel combinations; jelly like material encapsulated in protective layer; 100% silicone gel pads have two phases which is a common limitation.
It can be cut into desired shapes if need be.	Encapsulated Jelly based system cannot be cut as it will leak
Organic and natural skin touch, completely inert.	Synthetic in nature& 4% chances of any all ergenicity in long term touch.
No leakage possible.	Some technologies leaks if the upper protective layer breaks out.
Elastomeric and cushioning both allows complete pressure distribution.	Cushioning with limited elastomeric allow incomplete pressure distribution.

Instructions for Care

- ✓ Keep off sharp/pointed implements. Do not expose to heat or direct sunlight.
- ✓ The products can be disinfected with common available clinical disinfectants such as (Providone-Iodine Solution IP 5% w/v), (Isopropyl Alcohol IP 70% v/v), (Choloroxylenol IP 4.8% v/v, Terpeneol 9% v/v, Alcohol Absolute (Denatured) 13.1% v/v) and (Chlorhexidine Gluconate Solution IP 1.5% v/v, Cetrimide IP 3% w/v). Puff some standard hospitalal cum powder before use.
- ✓ The products are easily cleaned using standard detergents.
- ✓ Do not autoclave it can be heated upto the temperature of maximum + 50°C and cooled upto the temperature of maximum - 20°C.

Disclaimer: The photographs shown here are indicative and might differ from actual product.

Operation Theatre Table Pads



OT Table Pad (Flat Type) - 3Pc set
Whole body cushioning prevents bed sores

Item	Operation Theatre Table Pads*	Dimensions (mm) L*W*H
UOTP-F	Universal Operating Table Pad, Flat Type	500 X 500 X 12
HLOTP-F	Half Length Operating Table Pad, Flat Type	900 X 500 X 12
¾ LOTP-F	¾ Length Operating Table Pad, Flat Type	1150 X 500 X 12
¾ LOTP-WCO	¾ Length Operating Table Pad, Flat Type, With Cut-Out	1150 X 500 X 12
PTP-F	Perineal Table Pad, Flat Type, With Cut-Out	500 X 500 X 12
OTTP-3-F	Operation Theatre Table Pad 3pc. set Flat Type	
	Head Section	225 X 500 X 12
	Torso Section	990 X 500 X 12
	Foot Section	500 X 500 X 12

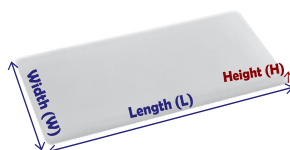
* All OT Table Pads except OTTP-3-F are single unitpacks

Face/ Fore Head Protector

Uni-site protector



01 piece/pack



Item	Size	Dimensions (mm) L* W*H
FHP-SD	Standard	165 x 80 x 8

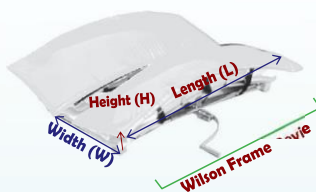
- Protect the patient's forehead / facial contours from pressure caused by endotracheal tubes
- Universal protector and it can be used at any similar body site

Wilson Frame Pad

Spine aligner -cum-cushioner



01 pair/pack
(without Wilson Frame Device)



Item	Size	Dimensions (mm) L*W*H
WFP-M	Medium	660 x 100 x 12
WFP-L	Large	750 x 255 x 12

- Supports patient's spine by aligning it on wilson frame and WFP provide extreme elastomeric cushioning with added protection from shear & pressure. WFP is provided alone and not with Wilson frame.
- Prefixed on frame with hoop & loop attachment used frequently in neurological & orthopedic prolonged surgical procedures



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

ASTSOP –IV (1-2): OT positioning device should be able to (a) prevent risk of pressure ulcers as one of the Joint commission's 2006 National Patient Safety Goal Number 14; (b) fit into Braden scale assessment (1-4) based on his/ her sensory perception; skin moisture; physical activity; mobility; nutrition; friction and shear; (c) skin wrinkling should be limited; (d) >95% ulcers in lower extremity devices and; (e) pre-existing ulcers should be monitored.

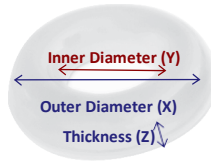


Donut/ Open Head Ring

Multifunctional positioner



01 piece/pack



Item	Size	Dimensions (mm) X* Y*Z
OHR-N	Neonatal	90 x 45 x 20
OHR-M	Medium	150 x 80 x 30
OHR-L	Large	200 x 100 x 35

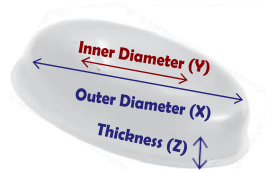
- Supports patient's head during prolonged surgeries (air and gel cushioning)
- Protect skull, neck and ears in multiple positions by conforming to head's contour

Closed Head Ring

Multifunctional positioner



01 piece/pack



Item	Size	Dimensions (mm) X* Y*Z
CHR-N	Neonatal	90 x 45 x 20
CHR-M	Medium	140 x 70 x 35
CHR-L	Large	200 x 100 x 45

- Supports patient's head with complete coverage to back of head during prolonged surgeries
- Protect head, neck and ears in various positions by complete pressure redistribution

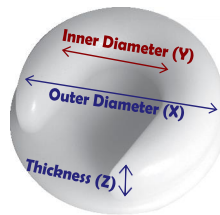
New!

C-Shape/U-Shape Head Ring

Multifunctional positioner



01 piece/pack



Item	Size	Dimensions (mm) X* Y*Z
CHR-SD	Standard	200 x 100 x 55

- Supports patient's face during surgery allows access to intubation due to its contoured features.
- No pressure on eyes especially in prone position due to ergonomic design and elastomeric gel technology.

Organic

Single Phase

Non Film

Elastomeric

No Leak

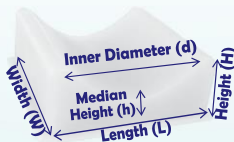
Non Allergenic

Supine/Contoured Head Rest

Unipositional Protector



01 piece/pack



Item	Size	Dimensions (mm) L* W*H [d*h]
SHR-SD	Standard	175 x 180 x 65 [145x30]

- Relieves skull compression from head/ calf in supine position (like eye surgeries) by providing cross-sectional stability
- Contoured to match the anatomical shape of head by pressure redistribution in all directions

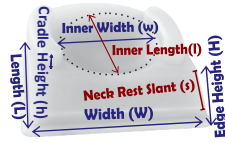
NuMed® prevents neuronal damage; oil based massaging impact and doesn't cause any shear or friction induced damage being extremely soft, provide extreme padding and can be used for indefinite periods, thereby conforms to all requirement posed.

Ophthalmic Cradle Head Rest

Uni-functional positioner



01 piece/pack



Item	Size	Dimensions (mm)
O-CHR Standard		250 x 200 x 45 [170 x 140 x 20 x 50]

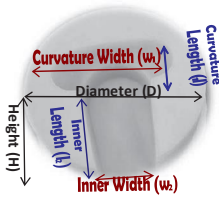
- Contoured cradling and extra support/ stability to patient's head in supine or other positions preventing risk of alopecia in ophthalmic long tenured surgeries.
- Extensive pressure redistribution for complete head rest.

Horse Shoe Ring -Eye Pressure Relief

Uni-functional protector



01 piece/pack

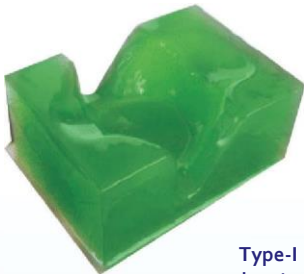


Item	Size	Dimensions (mm)
HORSE-SD	Standard	D*H [I1*w1] [I2*w2] 200 x 70 x [50 x 140] [90 x 75]

- Supports patient's Face during surgery allow access to intubation due to its contoured features
- No pressure on eyes especially in prone position due to ergonomic design and elastomeric gel technology

Prone Head Rest

Prone position protector



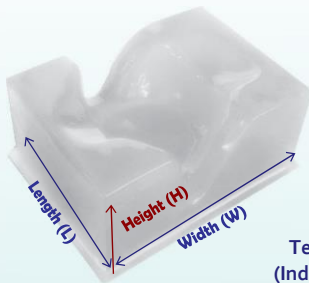
Type-I
01 piece/pack



Type-II
01 piece/pack



Type-III
01 piece/pack



Template
(Indicative)

Item	Size	Dimensions (mm)
PHR-I-SD	Standard	260 x 215 x 140
PHR-II-SD	Standard	270 x 220 x 140
PHR-III-SD	Standard	260 x 240 x 145

- Supports patient's head in prone position during prolonged surgeries
- Protect head, neck and ears in prone position by complete pressure redistribution and ergonomic design allows ease of intubation.
- PHR - III provides see through area at its bottom



Organic



Single Phase



No Film



Elastomeric



No Leak



Non Allergenic

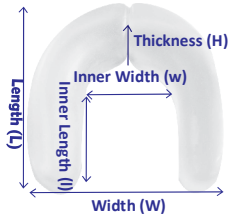
AST SOP –III (C)-2: The positioning equipment should sustain the weight of the patient. Numed® can bear pressure upto 1600 psi which is much more as compared to human weight. 1600 psi means it can bear 112 kg of weight per cm².



Gel Base for Metallic Neurohead Frame
Critical functional positioner



01 set of 02 half pieces/pack
(without Neurohead Frame Device)



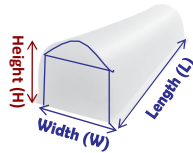
Item	Size	Dimensions (mm) L* W*H [l * w]
NEURO-L	Large	200 x 55 x 65 [145 x 85]
NEURO-M	Medium	175 x 50 x 60 [125 x 80]

- Provide cushioning interface to metallic neuro-head frame during prolonged brain surgeries.
- Supports patient's facial contours with complete pressure redistribution.

Dome Flat Bottom Chest Roll
Multi-utility bolster



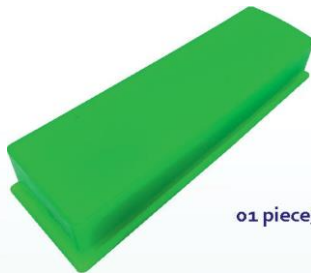
01 piece/pack



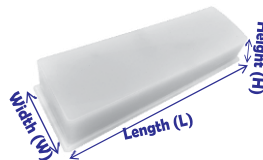
Item	Size	Dimensions (mm) L*W*H
DOME-S	Small	300 x 145 x 75
DOME-M	Medium	405 x 150 x 100
DOME-L	Large	510 x 155 x 125

- Provides excellent support and stability to chest areas & other body parts by complete pressure redistribution
- Elevate the chest area and also useful in multiple sites

Flat Bottom Chest Roll
Standard positioner



01 piece/pack



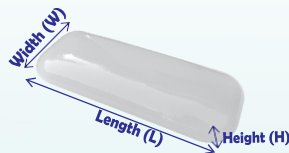
Item	Size	Dimensions (mm) L*W*H
FBCR-SD	Standard	510 x 150 x 100

- Provides excellent support and stability to chest areas during prolonged surgeries
- Pressure redistribution in chest area preventing bed sores

Universal Positioner
All-site positioner



01 piece/pack



Item	Size	Dimensions (mm) L* W*H
UP-SD	Standard	420 x 145 x 160

- It has unique and smooth curve structural line allows it to position at every body part.
- It has single phase continuous surface with complete pressure redistribution & support even twisted body parts

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Organic

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Single Phase

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Non Film

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Elastomeric

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No Leak

A
Non Allergenic



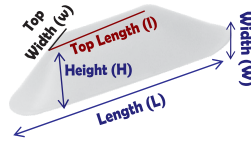
ASTSOPVIII-5 [B] - A softly padded headrest should be used that does not apply pressure to the eyes & nose and provides space for airway access. **Numed® Horse Shoe Ring** is ergonomically designed with specific eye pressure relief and ease of access to all intubations fulfilling the requirement.

Patient Positioner Device

Multi-site positioner



01 piece/pack



Item	Size	Dimensions (mm) L* W*H [l*w]
PPD-M	Medium	420 x 130 x 55 [200 x 95]

- Supports patient's twisted body parts during prolonged surgeries
- Protect body parts in various uncomfortable positions against torque by complete pressure redistribution

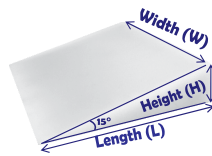
New!

Wedge Positioner (15°)

Body Elevator



01 piece/pack



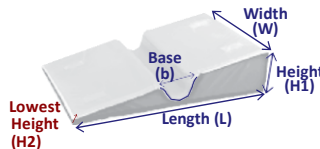
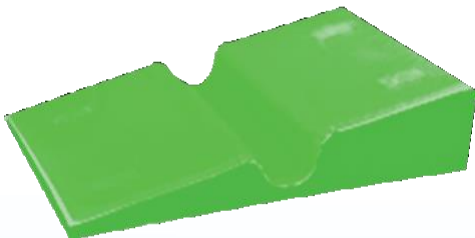
Item	Size	Dimensions (mm) L* W*H
WP-15-SD	Standard	280 x 280 x 70

- It is a positioning device that rests body part at an angle of 15° slant
- Elevate body part while distribute pressure equally in all directions

New!

Lateral Positioner

Side Positioner



Item	Size	Dimensions (mm) L* W*H [(b*d)(w1*w2)]
LP-SD	Standard	710 x 480 x 150 x 25 [170 x 60]

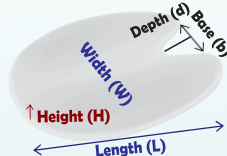
- It provides platform that rests the body part like upper part of arm while the patient needs to extend its arm in contoured arm board
- Elevates upper arm provides similar positioning in various positions

Sacral Protector

Specific-site padded device



01 piece/pack



Item	Size	Dimensions (mm) L* W*H [b*d]
SACP-SD	Standard	445 x 440 x 30 [130 x 100]

- Provides protection to unprotected sacral area in lithotomy and supine position, by relieving pressure and transverseing it to peripheral areas



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

AST SOP -V: The risk of falling of patient should be reduced. **NuMed®** are non-slippery and doesn't aid support to risk of falling patients.

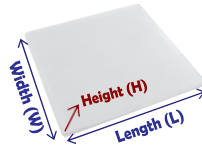


Hip Pad Position Device

Critical functional positioner



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
HPPD-S	Small	400 x 400 x 12
HPPD-L	Large	520 x 520 x 12

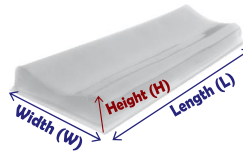
- Supports patient's hip during prolonged surgeries
- Hip protection with centrifugal equidistant pressure distribution

Contoured Arm Board Pad

Multifunctional extensor



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
CONT-ABP	Standard	500 x 130 x 35

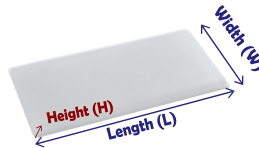
- Anatomically shaped armboard pad to provide support by pressure redistribution
- Slightly grooved to hold the arm with release of pressure on either direction

Flat Arm Board Pad

Multi-utility Extensor



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
FABP-SD	Standard	600 x 125 x 12

- FABP provides stabilized resting state to the extended arm during prolonged surgeries
- Standard OT Table Extensor useful in various body positions



Organic



Single Phase



Non Film



Elastomeric



No Leak



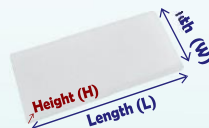
Non Allergenic

Ulnar/ Brachial Nerve Protector System

Bi-functional protector



01 piece/pack



Item	Size	Dimensions (mm) L*W*H
UBNPS-M	Medium	350 x 150 x 10
UBNPS-L	Large	450 x 200 x 10

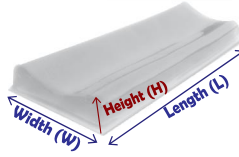
- Providing protection to the sensitive areas of elbows and arms during prolonged surgeries
- Comforting sensitive nerve areas by extreme cushioning

ASTSOP –VIII (2:H) The patient's arms should be positioned to avoid nerve injury. Numed® is designed to ensure no injury by traction and pressure as generally occurred in Ulnar region (brachial plexus)- fulfilling the requirement posed.

Contoured Knee Pad
Multifunctional device



01 piece/pack



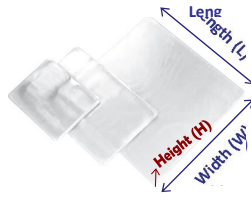
Item	Size	Dimensions (mm) L*W*H
CKP-SD	Standard	500 x 130 x 35

- Anatomically shaped knee pad to provide added support and stability by pressure redistribution
- Standard OT Table Extensor useful in multiple positions in lower body parts.

Knee Crutch Pad
Knee support device



01 piece/pack



Item	Size	Dimensions (mm) L* W*H
KCP-S	Small	230 x 300 x 12
KCP-M	Medium	280 x 400 x 12
KCP-L	Large	300 x 500 x 12

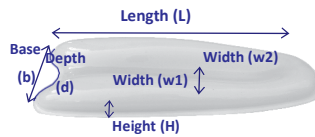
- Support to base of knee and leg, stabilize the position while knee and leg is aligned at multiple angles, resting during prolonged surgeries
- Protect nerve endings and complete pressure redistribution allows blood flow



Contoured Leg Rest
Leg resting positioner



01 pair/pack



Item	Size	Dimensions (mm) L* W*H [(b*d)(w1*w2)]
CLP-SD	Standard	515 x 180 x 40

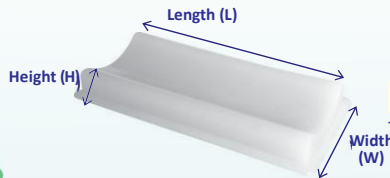
- Ergonomic designed support to leg and heel area protects popliteal nerve by aligning with knee groove till anterior end of ankle region.
- Standard OT Table Resting device useful in providing stability to multiple body positions.



Contoured Calf Rest
Calf Resting Device



01 pair/pack



Item	Size	Dimensions (mm) L* W*H
CCR-SD	Standard	300 x 130 x 35

- It has grooved structure with slight curved edge as resting surface for calf area.
- Single phase continuous surface with enhanced pressure distribution on either side supporting calf as padded support device



Organic



Single Phase



Non Film



Elastomeric



No Leak



Non Allergenic

AST SOP –VIII (2: E-F): The pressure points & bony prominence should be identified & properly padded. No body part should extend beyond the edge or end of the OR table / positioning devices, such as arm boards to avoid nerve injury. **Numed® Arm boards / Knee Pads / Leg Rest** are designed such that body extension doesn't go beyond the limits of OT table & its elastomeric ability useful for padding & support.

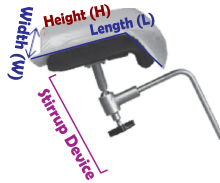


Crutch Stirrup Pad

Knee & leg resting device



01 pair/pack
(without Stirrup Device)



Item	Size	Dimensions (mm) L*W*H
CSP-S	Small	320 x 220 x 10
CSP-M	Medium	400 x 250 x 10
CSP-L	Large	520 x 300 x 10

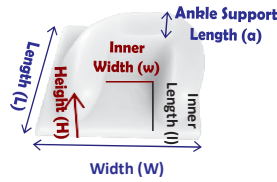
- Designed to fit both Lloyd Davies & various types of stirrups / leg-holders to relieve pressure from nerves and allows blood flow especially during lithotomy procedures.
- Protect against frictional impact, shear force and nerve injury.

Heel Cup (Without Strap)

Lower Extremity Resting Device



01 pair/pack



Item	Size	Dimensions (mm) L*W*H [l*w*a]
HCOS-SD	Standard	130x 180 x 65 [60 x 80 x 40]

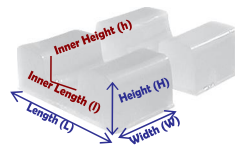
- Designed to provide maximum protection to heel and ankle area during prolonged surgeries.
- Elastomeric rebound at body extremity by extreme resting state and adequate blood flow preventing foot ulceration.

Heel Support Pad

Lower Extremity Protector



01 pair/pack



Item	Size	Dimensions (mm) L * W*H [l*h]
HSP-M	Medium	150 x 75 x 55 [50 x 30]
HSP-L	Large	200 x 100 x 75 [75 x 35]

- Relieves pressure & enhanced blood flow to lower extremity by elastomeric ankle support and air cushioning to heels.
- Especially used in foot sole surgeries by exposing foot area.

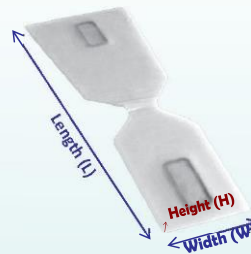


Boot Stirrup Pad

Foot & ankle resting device



01 pair/pack



Item	Size	Dimensions (mm) L*W*H
BSP-SD	Standard	600 x 150 x 10

- Designed to protect patient's foot & ankle area in universal stirrups.
- Pads are used in lithotomy position for gynecological & urological procedures; colon/rectal cases.

AST SOP VIII-4 [M(4)] Pressure points should be well-padded including the occiput, lumbosacral area, and heels. NuMed® OT Positioning Devices provide support and padded devices for all these positions.

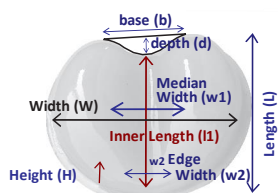
New!

Heel Protector

Lower Extremity Protector



01 pair/pack



Item	Size	Dimensions (mm) L* W*H [(b*d)(l1*w1*w2)]
HPR-SD	Standard	190 x 195 x 40 [20 x 60] [170 x 60 x 10]

- It looks like heart shaped with elevated areas to protect heel on either side. Inner curvature provide padded platform for the heels during prolonged surgeries
- Single phase continuous surface, ergonomically designed to relieve pressure, enhanced blood flow to extremities with padded support till ankle region

Elastomeric Cushioning (~2 times stretchability)

Natural Skin Touch (Feel it yourself)

Organic - Environmental Friendly (non toxic)

Non leaky (no release of any fluid)

Stick On (Self attached Device)

Moisture Resistant (Dip water test)

Resilience Factor (~2000 pounds, 900Kgs)

Nature Colour Variation (Blue, Pink & Green)

Acceptance Test Procedures (ATPs)

ATPs are laid down by Gel Craft Healthcare (P) Ltd for establishing the authenticity of Numed[®] products by identified quality check procedures. A sample piece of Numed[®] C3 I Gel material is provided for this testing by supervising officer along with every single piece of item purchased by the buyer. As it is sequential and destructive testing, thus kindly read the instructions prior to the testing or you can contact us for more details (the following procedures are destructive testing thus should not be used on the item purchased);

C3 I Gel tester is provided for testing : i. Moisture Resistant; ii. Cold Tolerance Testing; iii. Clean Test; iv. Resilience Test or Weight bearing capacity; v. Elastomeric behaviour or Stretch ability Test; vi. Prick Test and vii. Burn Test

Tester Kit



Numed[®] are self-declared claim of compliance with (a) dust and extremely hygienic environment for production; (b) FDA (USA) approved raw material; (c) Essential oils listed in Indian Pharmacopeia; (d) Finished product with clearance from FDA of country of purchase; (e) requisite composition /properties with ability to comply with Regulation (EC) No 1907/2006 of REACH chemical standards; (f) recyclable organic enrichment green initiative and; (g) ISO130485:2003 complied.

Warranty Clause : The product purchased is replaceable within first year of purchase & applicable to end user only [T&C Applied]



nu med technologies
the utmost degree of confidence in quality & service

Regd. Off:

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