

PROLEN[®] MEDICAL



Medical products

PRODUCT PORTFOLIO

www.prolenmedical.sk/en/





CONFIRMED ANTIBACTERIAL PROPERTIES OF PROLEN® SILTEX AND PROLEN® BODYFRESH FIBER TEXTILES:

E. Coli > 99.99% reduction

Staphylococcus aureus: > 99.99% reduction

Kliebsiella: > 99.99% reduction

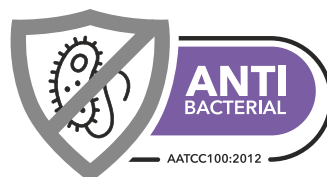
CONFIRMED ANTIVIRAL PROPERTIES OF PROLEN® SILTEX AND PROLEN® BODYFRESH FIBER TEXTILES:

Coronavirus SARS-CoV-2 > 99% (causing Covid-19)

Influenza virus A, subtype H1N1: > 99% reduction

CONFIRMED ANTIFUNGAL PROPERTIES OF PROLEN® SILTEX AND PROLEN® BODYFRESH FIBER TEXTILES:

Aspergillus niger—antifungal activity



PROLEN® MEDICAL CERTIFICATIONS:

EN 13795-1 (operating sheets, gowns and clean air clothing used as medical aids for patients, medical personnel and facility)

EN ISO 22612: Microbial penetration in dry conditions, Class 2/3

EN ISO 22610: Resistance to bacterial penetration in wet conditions, Class 5/6

EN ISO 11737-1: Microbial cleanliness, biological load, complies Cleanliness - Release of particles/clumps < 4.0, high performance

EN 20811: Resistance to liquid penetration - Hydrostatic head test, complies

EN ISO 13938: Tear strength, conforming

EN 29073-3: Tensile strength, conforming

Face masks: Protective barrier EN14683:2019
+ AC:2019/ Type II, CE - Declaration of Conformity /93/42/EEC

OTHER FIBER CERTIFICATIONS

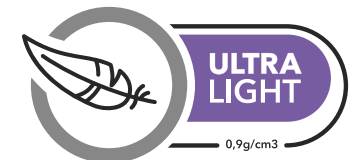
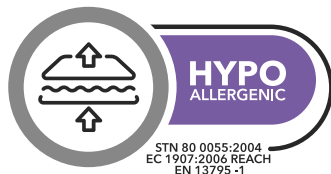
PROLEN® SILTEX AND PROLEN® BODYFRESH:

Health safety certificate according to STN 80 055:2004 "Textiles. Textile and clothing products. Technical requirements and test methods" and according to the Regulation of the European Parliament and the Council (Es) c. 1907/2006 of December 18, 2006 on the registration, evaluation, authorization and restriction of chemical substances (REACH), as amended, and proof of antibacterial effectiveness according to the AATCC Test Method 100 standard.

Standard 100 by Oeko-tex, Appendix 6, product class I, for products in contact with children's skin.

EN ISO 9001:2015

EN ISO 14001:2015



ADVANTAGES OF PROLEN® MEDICAL TEXTILES



ANTIMICROBIAL

- Antibacterial
- Antiviral
- Antifungal
- Hypoallergenic
- Prolen® Medical textiles are sterilizable and designed to destroy pathogens
- Intended for a clean environment
- They fight against nosocomial infections associated with healthcare



FUNCTIONAL

- Moisture removal technology ensures comfort and breathability
- They keep the skin dry, textiles Prolen® Medical are made of hydrophobic polypropylene fibre (moisture absorption 0.05%)
- They maintain the natural temperature of the body thanks to excellent thermoregulatory properties
- They are 30%- 50% lighter than textiles standardly used in healthcare (density 0.9 g-cm³)



ECOLOGICAL

- Prolen® Medical textiles are intended for repeated use, not as disposable protective equipment
- 100% recyclability
- The production process does not negatively impact the environment
- Maintenance of Prolen® Medical textiles significantly saves energy and thus helps reduce the overall carbon footprint



ECONOMICAL

- Financial savings in procurement costs due to longer service life
- Washing and drying at lower temperatures

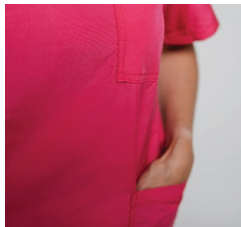
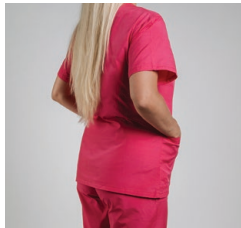
CLOTHES FOR MEDICAL PROFESSIONALS **PROLEN® MEDICAL**

- medical tunics and pants
- medical coats
- dresses
- thermal underwear
- medical pyjamas
- undershirts
- medical caps, gloves, coveralls
- face masks
- sheets and covers
- bags and string bags

ASSORTMENT OF TEXTILES

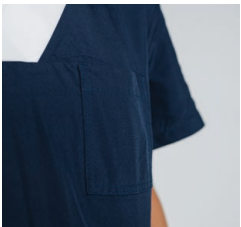
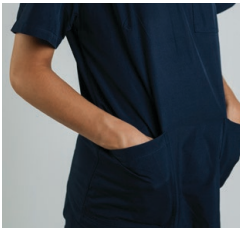
PROLEN® SILTEX
A PROLEN® BODYFRESH

Made of 100% polypropylene fibre **Prolen® Siltex** and **Prolen® Bodyfresh** with silver and zinc ions. Meets the EN 13795-1 standard



WOMEN'S MEDICAL TUNIC – 3 POCKETS

Colour



WOMEN'S MEDICAL TUNIC WITH COLOURED COLLAR

Colour



The colour of the hem and the colour of the tunic is possible in any colour combination from the color sampler.



	S	M	L	XL	XXL
Chest circumference	90 - 102 cm	103 - 112 cm	112 - 122 cm	122 - 130 cm	131 - 140 cm
Waist circumference	65 - 88 cm	89 - 108 cm	109 - 118 cm	119 - 126 cm	127 - 136 cm
Hip circumference	95 - 112 cm	113 - 118 cm	119 - 130 cm	131 - 140 cm	141 - 150 cm
Tunic length	79 cm	66 cm	69 cm	85 cm	87.5 cm
Sleeve length	42 cm	43 cm	45 cm	47 cm	48.5 cm



	S	M	L	XL	XXL
Chest circumference	90 - 102 cm	103 - 112 cm	112 - 122 cm	122 - 130 cm	131 - 140 cm
Waist circumference	65 - 88 cm	89 - 108 cm	109 - 118 cm	119 - 126 cm	127 - 136 cm
Hip circumference	95 - 112 cm	113 - 118 cm	119 - 130 cm	131 - 140 cm	141 - 150 cm
Tunic length	79 cm	66 cm	69 cm	85 cm	87.5 cm
Sleeve length	42 cm	43 cm	45 cm	47 cm	48.5 cm



MEN'S MEDICAL TUNIC – 3 POCKETS

Colour



MEN'S MEDICAL TUNIC WITH COLOURED COLLAR

Colour



The colour of the hem and the colour of the tunic is possible in any colour combination from the color sampler.



	S	M	L	XL	XXL	3XL
Chest circumference	100 - 112 cm	113 - 122 cm	123 - 132 cm	133 - 140 cm	141 - 148 cm	149 - 160 cm
Waist circumference	95 - 110 cm	111 - 121 cm	122 - 131 cm	132 - 139 cm	140 - 150 cm	150 - 160 cm
Hip circumference	100 - 118 cm	119 - 128 cm	129 - 138 cm	139 - 148 cm	149 - 160 cm	160 - 170 cm
Tunic length	84 cm	84 cm	84 cm	84,5 cm	88,5 cm	89 cm
Sleeve length	42,5 cm	44 cm	45,5 cm	47,5 cm	50 cm	53 cm



	S	M	L	XL	XXL	3XL
Chest circumference	100 - 112 cm	113 - 122 cm	123 - 132 cm	133 - 140 cm	141 - 148 cm	149 - 160 cm
Waist circumference	95 - 110 cm	111 - 121 cm	122 - 131 cm	132 - 139 cm	140 - 150 cm	150 - 160 cm
Hip circumference	100 - 118 cm	119 - 128 cm	129 - 138 cm	139 - 148 cm	149 - 160 cm	160 - 170 cm
Tunic length	84 cm	84 cm	84 cm	84,5 cm	88,5 cm	89 cm
Sleeve length	42,5 cm	44 cm	45,5 cm	47,5 cm	50 cm	53 cm



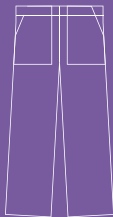
WOMEN'S MEDICAL PANTS

Colour

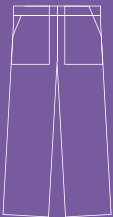


MEN'S MEDICAL PANTS

Colour



	S	M	L	XL	XXL	3XL
Waist	60 - 70 cm	70 - 80 cm	80 - 112 cm	113 - 120 cm	121 - 128 cm	128 - 136 cm
Hips	90 - 112 cm	112 - 122 cm	122 - 126 cm	127 - 140 cm	141 - 145 cm	145 - 152 cm
Pants seat	33 cm	36 cm	38 cm	39 cm	40 cm	42 cm
Pants length	79 cm	80 cm	81.5 cm	83 cm	85 cm	87 cm
Pants width	46 cm	48 cm	48.5 cm	49 cm	50 cm	51 cm

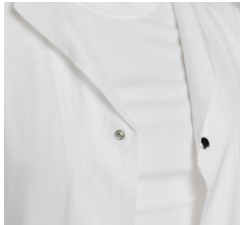


	S	M	L	XL	XXL	3XL
Waist	80 - 95 cm	96 - 120 cm	121 - 132 cm	133 - 138 cm	138 - 144 cm	145 - 152 cm
Hips	90 - 100 cm	101 - 120 cm	121 - 136 cm	136 - 145 cm	145 - 150 cm	150 - 160 cm
Pants seat	34 cm	35 cm	37 cm	39 cm	42 cm	42 cm
Pants length	82 cm	85 cm	87 cm	88 cm	90 cm	87 cm
Pants width	46 cm	47 cm	48 cm	50 cm	50.5 cm	51 cm



WOMEN'S SINGLE – LAYER WORK COAT

Colour



MEN'S SINGLE – LAYER WORK COAT

Colour



	S	M	L	XL	XXL
Chest circumference	110 cm	115 cm	126 cm	133 cm	143 cm
Waist circumference	108 cm	114 cm	124 cm	132 cm	138 cm
Hip circumference	122 cm	126 cm	136 cm	142 cm	157 cm
Sleeve length	62.5 cm	63 cm	64 cm	65 cm	66 cm
Coat length	107 cm	109 cm	110 cm	111 cm	112 cm



	S	M	L	XL	XXL
Chest circumference	110 cm	117 cm	124 cm	130 cm	138 cm
Waist circumference	118 cm	114 cm	120 cm	128 cm	134 cm
Hip circumference	112 cm	118 cm	126 cm	132 cm	136 cm
Sleeve length	67 cm	68 cm	68.5 cm	69 cm	69.5 cm
Coat length	117 cm	118 cm	119 cm	120 cm	121 cm



WOMEN'S NURSE COAT

Colour



MEN'S NURSE COAT

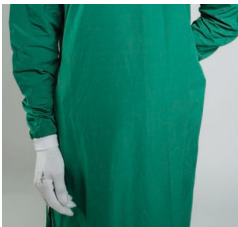
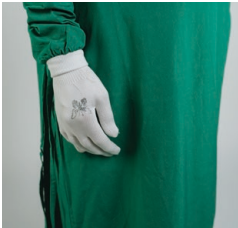
Colour



	S	M	L	XL	XXL
Chest circumference	84 - 90 cm	92 - 98 cm	100 - 106 cm	108 - 114 cm	116 - 120 cm
Waist circumference	66 - 72 cm	74 - 80 cm	82 - 88 cm	90 - 96 cm	98 - 102 cm
Hip circumference	90 - 96 cm	98 - 102 cm	104 - 110 cm	112 - 118 cm	120 - 124 cm
Back length	90 cm	90 cm	94 cm	96 cm	98 cm
Sleeve length	59 cm	60 cm	62 cm	64 cm	65 cm
Neck laces length	45 cm	45 cm	45 cm	45 cm	55 cm
Waist laces length	75 cm	75 cm	75 cm	75 cm	85 cm



	S	M	L	XL	XXL	3XL
Chest circumference	86 - 94 cm	96 - 102 cm	104 - 110 cm	112 - 116 cm	118 - 124 cm	126 - 132 cm
Waist circumference	82 - 88 cm	90 - 96 cm	98 - 104 cm	106 - 112 cm	114 - 120 cm	112 - 120 cm
Hip circumference	88 - 96 cm	98 - 104 cm	106 - 112 cm	114 - 120 cm	122 - 128 cm	128 - 136 cm
Back length	105 cm	105 cm	105 cm	105 cm	108 cm	108 cm
Sleeve length	63 cm	64 cm	66 cm	68 cm	69 cm	69 cm
Neck laces length	45 cm	45 cm	45 cm	45 cm	55 cm	55 cm
Waist laces length	80 cm	80 cm	80 cm	80 cm	90 cm	90 cm



UNISEX SURGICAL COAT – UNISEX

Colour



WOMEN'S DRESS

Colour



	S/M	L/XL	XXL/3XL
Chest circumference	86 - 98 cm	110 - 112 cm	114 - 120 cm
Waist circumference	90 - 100 cm	100 - 125 cm	125 - 140 cm
Hip circumference	90 - 100 cm	100 - 125 cm	125 - 140 cm
Back length	140 cm	145 cm	145 cm
Sleeve length	63 cm	66 cm	69 cm
Tying laces length (neck)	45 cm	45 cm	55 cm
Tying laces length (waist)	80 cm	80 cm	90 cm



	S	M	L	XL	XXL
Chest circumference	85 - 90 cm	86 - 97 cm	95 - 100 cm	100 - 108 cm	105 - 115 cm
Waist circumference	60 - 68 cm	69 - 80 cm	80 - 85 cm	85 - 95 cm	95 - 105 cm
Hip circumference	85 - 90 cm	90 - 95 cm	95 - 100 cm	100 - 110 cm	110 - 117 cm
Dress length	93 cm	94 cm	96 cm	98 cm	100 cm



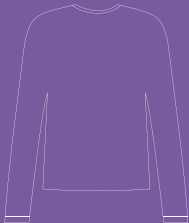
WOMEN'S THERMAL LONG SLEEVE T-SHIRT

Colour



MEN'S THERMAL LONG SLEEVE T-SHIRT

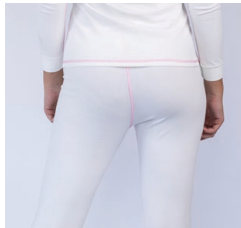
Colour



	S	M	L	XL	XXL
Chest circumference	85 - 90 cm	90 - 94 cm	95 - 100 cm	101 - 108 cm	108 - 116 cm
Waist circumference	68 - 74 cm	75 - 80 cm	81 - 88 cm	88 - 95 cm	95 - 100 cm
Hip circumference	85 - 90 cm	91 - 96 cm	96 - 102 cm	103 - 110 cm	110 - 118 cm
Sleeve length	52 cm	54 cm	55 cm	56 cm	58 cm
T-shirt length	55 cm	56 cm	58 cm	60 cm	62 cm



	S	M	L	XL	XXL
Chest circumference	88 - 91 cm	92 - 100 cm	101 - 110 cm	111 - 118 cm	119 - 128 cm
Waist circumference	78 - 82 cm	83 - 90 cm	91 - 98 cm	98 - 106 cm	107 - 113 cm
Hip circumference	89 - 95 cm	96 - 105 cm	106 - 112 cm	112 - 120 cm	120 - 128 cm
Sleeve length	56 cm	57 cm	58 cm	60 cm	61 cm
T-shirt length	56 cm	58 cm	60 cm	62 cm	64 cm



WOMEN'S THERMAL UNDERWEAR BOTTOMS

Colour



	S	M	L	XL	XXL
Waist circumference	65 - 74 cm	78 - 80 cm	81 - 88 cm	88 - 95 cm	95 - 100 cm
Hip circumference	85 - 90 cm	91 - 96 cm	96 - 102 cm	103 - 110 cm	110 - 118 cm
Pants length	90 cm	91 cm	92 cm	94 cm	96 cm



MEN'S THERMAL UNDERWEAR BOTTOMS

Colour



	S	M	L	XL	XXL
Waist circumference	78 - 82 cm	83 - 90 cm	91 - 98 cm	99 - 106 cm	107 - 115 cm
Hip circumference	85 - 95 cm	96 - 105 cm	106 - 112 cm	113 - 120 cm	121 - 128 cm
Pants length	97 cm	100 cm	102 cm	103 cm	104 cm



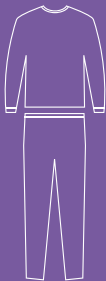
WOMEN'S PYJAMAS

Colour



MEN'S PYJAMAS

Colour



	S	M	L	XL	XXL
Chest circumference	87 - 92 cm	91 - 96 cm	95 - 103 cm	102 - 108 cm	107 - 116 cm
Waist circumference	68 cm	74 cm	78 cm	82 cm	86 cm
Hip circumference	90 - 94 cm	93 - 96 cm	95 - 100 cm	99 - 104 cm	104 - 108 cm
Sleeve length	52 cm	54 cm	55 cm	56 cm	58 cm
T-shirt length	62 cm	64 cm	66 cm	68 cm	70 cm



	S	M	L	XL	XXL
Chest circumference	92 cm	100 cm	108 cm	116 cm	124 cm
Waist circumference	82 cm	90 cm	98 cm	108 cm	112 cm
Hip circumference	99 - 102 cm	103 - 106 cm	107 - 110 cm	111 - 114 cm	115 - 118 cm
Sleeve length	63 cm	64 cm	65 cm	66 cm	67 cm
T-shirt length	66 cm	68 cm	69 cm	71 cm	72 cm



WOMEN'S UNDERWEAR WITH SHORT SLEEVE

Colour



WOMEN'S UNDERWEAR WITH LONG SLEEVE

Colour



MEN'S UNDERWEAR WITH SHORT SLEEVE

Colour



	XS	S	M	L	XL	XXL
Chest circumference	82 - 88 cm	97 - 92 cm	91 - 96 cm	95 - 103 cm	102 - 108 cm	107 - 116 cm
Waist circumference	62 cm	68 cm	74 cm	78 cm	82 cm	86 cm
Hip circumference	90 cm	90 - 94 cm	93 - 96 cm	95 - 100 cm	99 - 106 cm	104 - 108 cm
Underwear length	61 cm	62 cm	64 cm	66 cm	68 cm	70 cm

	S	M	L	XL
Chest circumference	97 - 92 cm	91 - 96 cm	95 - 103 cm	102 - 108 cm
Waist circumference	68 cm	74 cm	78 cm	82 cm
Hip circumference	90 - 94 cm	93 - 96 cm	95 - 100 cm	99 - 106 cm
Underwear length	62 cm	64 cm	66 cm	68 cm
Sleeve length	58 cm	60 cm	62 cm	63 cm

	XS	S	M	L	XL	XXL
Chest circumference	95 - 98 cm	99 - 102 cm	103 - 106 cm	107 - 110 cm	111 - 114 cm	115 - 118 cm
Waist circumference	76 - 80 cm	81 - 85 cm	86 - 90 cm	91 - 95 cm	96 - 100 cm	101 - 105 cm
Hip circumference	95 - 98 cm	99 - 102 cm	103 - 106 cm	107 - 110 cm	111 - 114 cm	115 - 118 cm
Underwear length	64 cm	66 cm	68 cm	69 cm	71 cm	72 cm



SHOE COVERS – UNISEX

Colour



MEDICAL CAP WITH TYING LACES – UNISEX

Colour



PROTECTIVE GLOVES WITH SILVER AND ZINC IONS

Colour



Size	Hand circumference
7	16,7 – 19,2 cm
8	19,2 – 21,7 cm
9	21,7 – 24,2 cm
10	24,2 – 26,7 cm





FACE MASK – BEAK TYPE

Colour



Option to order **printing/**
embroidery



SEAMLESS FACE MASK WITH SILVER AND ZINC IONS – UNISEX

Colour



DOUBLE LAYER FACE MASK WITH SILVER AND ZINC IONS – UNISEX

Colour



	Women's	Men's
Width	14 cm	15 cm
Height	20 cm	20 cm
The rubber bands length	14 cm	18 cm



QUILT SHEET
140 CM X 200 CM

Colour



PILLOW SHEET
50 CM X 70 CM

Colour



PILLOW SHEET
70 CM X 90 CM

Colour





FOLDED SHEET
240 CM X 140 CM

Colour



SHEET WITH RUBBER BAND
90 CM X 200 CM X 20 CM

Colour





STRING BAG WITH A SINGLE TYING LACE

Colour



	Mini	Midi	Maxi
Height	45 cm	40 cm	30 cm
Width	35 cm	30 cm	20 cm

Option to order **printing/embroidery**



STRING BAG WITH TWO TYING LACES

Colour

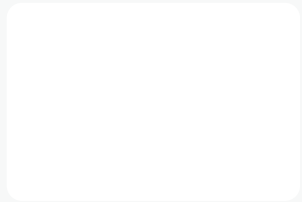


	Mini	Midi	Maxi
Height	45 cm	40 cm	30 cm
Width	35 cm	30 cm	20 cm

Option to order **printing/embroidery**

COLOR SAMPLER

PROLEN® MEDICAL PRODUCTS



White

P-004



Gray

P-839



Black

P-904



Light blue

P-511



Surgical blue

P-503



Dark blue

P-505



Lavender

P-400



Pink

P-322



Yellow

P-116



Green

P-6149

FIBER PROPERTIES

PROLEN® SILTEX AND PROLEN® BODYFRESH:

- Lightness
- Thermal insulation
- Zero absorption
- Moisture drainage
- Optimal microclimate between skin and clothing
- Resistance to abrasion and tearing
- Resistance to bacteria
- Resistance to viruses
- Antifungal
- Prevention of unpleasant odours
- Multifilament fibre
- Colour stability even after multiple washings
- Colours do not migrate into the skin
- Excellent for people with allergies
- Does not react with chemical substances produced by sweating
- Slightly negative charge, beneficial for the body
- Stains and dirt are not kept inside the fibre
- Clothes do not need to be ironed and are washed at lower temperatures
- 100% recyclability

TECHNICAL PROPERTIES OF TEXTILES

PROLEN® MEDICAL

- Longer durability than cotton: between 2.5 and 4 g/dtex, wet or dry. Practically indestructible
- Excellent chemical resistance: when the fibre comes into contact with chemicals such as bleaches, molds, insects, sweat or rot, does not deteriorate
- They are not susceptible to pilling: whether the fabric is dry or wet
- Stain resistance: they do not absorb stains or attract dust
- Lightweight: the result is lower in laundry costs
- No loss of colour during washing: yellow = 5-7, other colours = 6-8 (max. is 8). They save energy when washing. Easy washing and quick drying. They limit the spread of microorganisms
- Breathability provides comfort: they wick away moisture by capillary action to the other side of the fabric, keeping the skin dry at all times

MAINTENANCE OF PROLEN® MEDICAL TEXTILES



Washing: between 40°C and 90°C, recommended temperature 60°C. We recommend spinning at 400 rpm/ max. 600 rpm (keep a ratio of 1: 2,3 / kg of washing machine: number of clothes).

Detergent: any type, disinfectants including chlorine are allowed. **Do not use fabric softener** to maintain the hydrophobicity of the product.



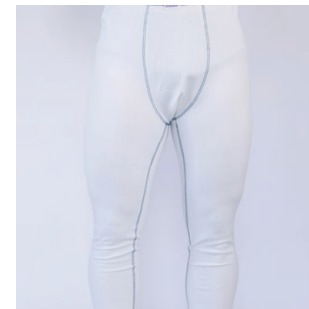
Drying: quick drying, zero water absorption, savings at custom weight washing. Dryer: recommended temperature 40°C / max. 40°C.

Duration: 20 min. + 5 min. in the cold (ratio 1: 2 / dry. kg: number of clothes).

Drying tunnel: recommendation 70°C, max 70°C.



Ironing: Do not iron directly, allowed only ironing at low temperatures with steam. After finishing the drying process, it is recommended to fold the clothes immediately to reduce the number of bends.



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VISIT US



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PROLEN[®] MEDICAL

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