

# B. Protected Veterinary

Medical and Protective Gloves



# Medical and Protective Gloves

## Glove performance

### Strengths and weaknesses of glove materials (Internal study B. Braun)

	synthetic polyisoprene	natural rubber latex	nitrile	vinyl
comfort	****	****	**	*
grip	****	****	***	**
tensile strength	****	****	***	*
puncture resistance	**	**	****	*
elongation	800 %	800 %	600 %	300 %
chemical resistance	***	***	****	**

\*\*\*\* = excellent | \*\*\* = good | \*\* = medium | \* = low

### Synthetic polyisoprene (IR)

- Chemically highly specific latex
- Does not contain any antigenic proteins
- IR has the highest resilience, elasticity and tensile strength (compared to other synthetic latex materials)
- Perfect for allergy suffering with a latex protein allergy

### Natural rubber latex

- Outstanding regarding elasticity, tensile strength, non-sticky surface and abrasion resistance
- Good cut and puncture resistance
- Favoured material for gloves in medical treatment, healthcare and laboratory use

### Nitrile (NBR or NR)

- Highly resistant against oil, lipids and a broad range of chemicals
- Good cut and puncture resistance
- Ideal glove material for medical treatment, laboratory and industrial procedures
- The most cost-effective synthetic material for gloves – more and more replacing rubber latex

### Vinyl (PVC)

- Low costs and light glove design
- Poor elasticity and barrier functions – not appropriate for work with high demands regarding protection and infection control
- Free of DOP/DEHP, containing DINP



Gamma sterilized



Natural Rubber Latex



Free of Natural Rubber Latex



Protection against Microorganisms (Biohazards)



Low protection against Chemical Hazards



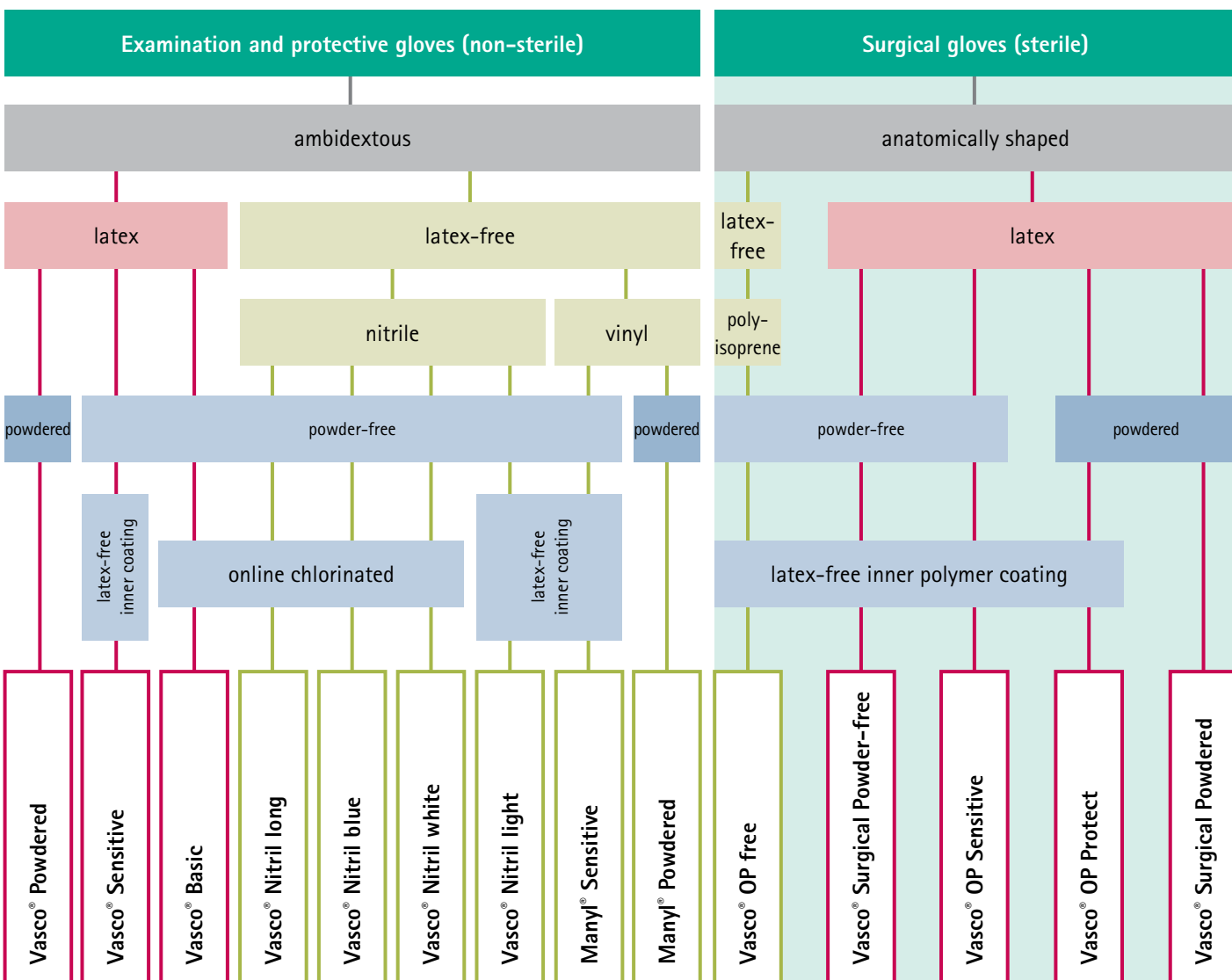
Conformity with Medical Device Directive and PPE Directive 89/686/EEC

# Medical and Protective Gloves

## Infection control in good hands

### Double-Gloving ... to increase personal protection

Wearing two pairs of gloves reduces the risk of contamination in medical surroundings and cleanrooms. Double gloving significantly results in a decrease of perforations of the innermost glove. In case of liquid entrance through the outer glove, a dark spot becomes immediately visible when combining a blue under-glove and a white second glove – the gloves can be changed instantly. The resistance characteristics of two different materials add together, increasing the overall resistance of the combined synthetic and natural rubber latex gloves.



# Examination and Protective Gloves

Natural rubber latex

Ambidextrous | non-sterile

## Vasco® Examination and Protective Gloves

### Donning and fit

- Vasco® Sensitive / Powdered – reducing friction on the skin and a snug fit
- Easy donning
- Online chlorination in Vasco® Basic – allows easy donning and leads to high sensitivity

### Tactile properties

- A good grip without restricting the gliding properties
- Ideal for instrument handling as well as patient treatment

### Vasco® Powdered



- Powdered

Size	Sales Unit	REF
S	100	6066526
M	100	6066542
L	100	6066569

### Vasco® Sensitive



- Powder-free

Size	Sales Unit	REF
XS	100	6067500
S	100	6067526
M	100	6067549
L	100	6067565
XL	90	6067590

### Vasco® Basic



- Powder-free

Size	Sales Unit	REF
XS	100	6066608
S	100	6066616
M	100	6066624
L	100	6066632
XL	90	6066640

# Examination and Protective Gloves

Nitril | Latex-free

Ambidextrous | non-sterile

## Vasco® Nitril Examination and Protective Gloves

### Donning and fit

- Very easy to don because of the nitrile material
- Rolled rim for cuff strength
- Good elasticity for a comfortable fit

### Tactile properties

- Micro-rough structure for a safe grip and instrument handling
- Superior sensitivity due to their light glove design

### Vasco® Nitril white / blue



- Powder-free

Size		Sales Unit	REF
XS	○	100	9207902
XS	○	150	9208402
XS	●	150	9209809
S	○	100	9207910
S	○	150	9208410
S	●	150	9209817
M	○	100	9207929
M	○	150	9208429
M	●	150	9209825
L	○	100	9207937
L	○	150	9208437
L	●	150	9209833
XL	○	90	9207945
XL	○	135	9208445
XL	●	135	9209841

### Vasco® Nitril long



- Powder-free
- Glove length 290 mm ± 10 mm

Size	Sales Unit	REF
XS	100	9205900
S	100	9205918
M	100	9205926
L	100	9205934
XL	100	9205942

### Vasco® Nitril light



- Powder-free

Size	Sales Unit	REF
XS	100	9207708
XS	150	9208801
S	100	9207716
S	150	9208810
M	100	9207724
M	150	9208828
L	100	9207732
L	150	9208836
XL	90	9207740
XL	135	9208844

# Examination and Protective Gloves

Vinyl | Latex-free

Ambidextrous | non-sterile

## Manyl® Examination and Protective Gloves

### Donning and fit

- Smooth surface and roll rim
- Easy donning

### Tactile properties

- Smooth and light material
- Good sensitivity

### Manyl® Powdered



- Powdered
- DOP-free | DEHP-free

Size	Sales Unit	REF
S	100	6090117
M	100	6090133
L	100	6090150

### Manyl® Sensitive



- Powder-free
- DOP-free | DEHP-free

Size	Sales Unit	REF
S	100	6090210
M	100	6090230
L	100	6090250



# Surgical Gloves

Anatomically Shaped | Sterile

**Vasco® Surgical Gloves** are designed to meet highest requirements in the operating theatre and in aseptic working procedures.

### Donning

- Easy donning in single and double gloving: Special washing procedures and a net-like inner lining structure (Vasco® Surgical Powder-free)
- Beaded conical cuff – border to the gown and well adjusted fit on the wrist

### Comfort

- Perfect fit and high comfort
- Avoid hand fatigue: Specifically developed ergonomic design

### Grip

- Outstanding dry and wet grip performance: Special friction factor (sliding over polished metal surface)
- High acceptance in surgery

### Sensitivity

- Distinguished record of glove resistance in relation to wall thickness – like a second skin
- Sensitivity is not even compromised by double gloving
- Sophisticated surface treatment: Sensitizing substances are reduced to a minimum – excellent skin tolerance

## Vasco® Surgical Powdered

STERILE | R LATEX CE 0123



- AQL 1.5
- Standard surgical glove made from natural latex
- Powdered

Size	Sales Unit	REF
6	50	6035500
6.5	50	6035518
7	50	6035526
7.5	50	6035534
8	50	6035542
8.5	50	6035559

## Vasco® Surgical Powder-free

STERILE | R LATEX CE 0123



- AQL 1.5
- Standard surgical glove made from natural latex
- Powder-free inner polymer coating

Size	Sales Unit	REF
6	50	6081101
6.5	50	6081111
7	50	6081121
7.5	50	6081131
8	50	6081141
8.5	50	6081151
9	50	6081161



## Anatomically Shaped | Sterile

### Vasco® OP free



STERILE | R  CE 0123

- AQL 1.0
- Surgical glove made from synthetic polyisoprene
- Powder-free
- Latex-free inner polymer coating

Size	Sales Unit	REF
6	40 pairs	9208305
6.5	40 pairs	9208313
7	40 pairs	9208321
7.5	40 pairs	9208330
8	40 pairs	9208348
8.5	40 pairs	9208356
9	40 pairs	9208364

### Vasco® OP Protect



STERILE | R  CE 0123

- AQL 1.0
- Surgical glove made from natural latex
- Lightly powdered
- Latex-free inner polymer coating

Size	Sales Unit	REF
6	50 pairs	6035000
6.5	50 pairs	6035019
7	50 pairs	6035027
7.5	50 pairs	6035035
8	50 pairs	6035043
8.5	50 pairs	6035051

### Vasco® OP Sensitive



STERILE | R  CE 0123

- AQL 1.0
- Surgical glove made from natural latex
- Powder-free
- Latex-free inner polymer coating

Size	Sales Unit	REF
6	40 pairs	6081002
6.5	40 pairs	6081010
7	40 pairs	6081029
7.5	40 pairs	6081037
8	40 pairs	6081045
8.5	40 pairs	6081053
9	40 pairs	6081060

# Product Overview

Name	AQL *		Powdered	Powder-free	Medical Gloves Protective Gloves	
	1.0	1.5			MPG 43/92EEG	EN 455
					Class	
<b>Surgical Gloves</b>						
<b>Latex</b>						
Vasco® OP Protect	x		x		IIa	x
Vasco® OP Sensitive	x			x	IIa	x
Vasco® Surgical powder-free		x		x	IIa	x
Vasco® Surgical powdered		x	x		IIa	x
<b>Polyisoprene</b>						
Vasco® OP Free	x			x	IIa	x
<b>Examination Gloves</b>						
<b>Latex</b>						
Vasco® Sensitive		x		x	I	x
Vasco® Powdered		x	x		I	x
Vasco® Basic		x		x	I	x
<b>Nitrile</b>						
Vasco® Nitril light		x		x	I	x
Vasco® Nitril white/blue		x		x	I	x
Vasco® Nitril long		x		x	I	x
<b>Vinyl</b>						
Manyl® Sensitive		x		x	I	x
Manyl® Powdered		x	x		I	x

\*The AQL (Acceptable Quality Level) value of a glove is a statistical measurement for a uniform quality level and indicates the number of statistically faulty gloves. 1.5 is the defined AQL value for medical gloves, i.e. 7 out of 10000 gloves can be defected. However, B.Braun surgical gloves (Vasco® OP) achieve a AQL value of 1, therefore, they show significantly less errors in quality control.

5	Protective Gloves			Chemical Resistance	Cytastatica Resistance	Virale Penetration Resistance
	PSA 89/686EEG	EN 420	EN 374	tested according to EN 374	tested according to ASTM D 6978	tested according to ASTM F 1671

Risk category

		x	x	x	x	x
		x	x	x	x	x
		x	x	x		x
		x	x	x		x
		x	x	x	x	x
	III	x	x	x	x	x
	III	x	x	x		x
	III	x	x	x		
	III	x	x	x	x	x
	III	x	x	x	x	x
	III	x	x	x	x	x
	I	x	x			x
	I	x	x			x



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