

# ZOONOSES

Polysem protects you  
each and every day



# What is a zoonosis?

Infections or diseases transmissible between humans and animals.  
 Ways of contamination : digestive, cutaneous, respiratory.

## Main diseases and humans risks

ZOONOSIS	BIOLOGICAL AGENT (bacteria)	SPECIES	HUMAN WAYS OF CONTAMINATION	HUMAN CLINICAL FORM
<b>BRUCELLOSIS</b>	Brucella	  	  	<ul style="list-style-type: none"> <li>• Fever, headache</li> <li>• Tiredness</li> <li>• Weight loss</li> <li>• Osteo-articular pain</li> <li>• Abdominal pain</li> <li>• Abortion in pregnant women</li> </ul>
<b>ANTHRAX</b>	Bacillus anthracis and its spores	  	  	<ul style="list-style-type: none"> <li>• Skin lesion, ulcer,</li> <li>• Nausea, vomiting, fever</li> <li>• Abdominal pain</li> <li>• Respiratory infection</li> </ul>
<b>Q FEVER</b>	Coxiella burnetii	 		<ul style="list-style-type: none"> <li>• Flu, respiratory problem</li> <li>• Abortion risk to women</li> <li>• Cardiac complications</li> <li>• Meningitis</li> </ul>
<b>LISTERIOSIS</b> Food poisoning	L. monocytogenes	  	 	<ul style="list-style-type: none"> <li>• In pregnant women: abortion, premature birth or serious infection of newborn</li> <li>• In immuno-depressed persons, damage of the nervous system</li> </ul>
<b>SALMONELLOSIS</b>	Salmonella enterica	   		<ul style="list-style-type: none"> <li>• Vomiting and severe diarrhea</li> <li>• Severe infections: blood circulation, nervous system can be fatal</li> </ul>
<b>LEPTOSPIROSIS</b>	Leptospira	   		<ul style="list-style-type: none"> <li>• Flu, headache,</li> <li>• Osteo-articular pain</li> <li>• Abdominal pain</li> <li>• Meningitis</li> </ul>
<b>PSITTACOSIS</b>	Chlamydothila (Chlamydia) psittaci			<ul style="list-style-type: none"> <li>• Fever, cough, tiredness,</li> <li>• Osteo-articular pain,</li> <li>• Diarrhea, vomiting</li> </ul>
<b>YERSINIOSIS</b>	Yersinia	   	 	<ul style="list-style-type: none"> <li>• Fever, diarrhea and abdominal pain</li> <li>• Pains like appendicitis</li> </ul>
<b>CAMPYLOBACTERIOSIS</b>	Campylobacter jejuni and C.Coli	   	 	<ul style="list-style-type: none"> <li>• Fever, diarrhea, abdominal pain</li> <li>• Nausea, vomiting</li> </ul>
<b>SWINE ERYSIPELAS</b>	Erysipelothrix rhusiopathiae	  	 	<ul style="list-style-type: none"> <li>• Red patches, itching, inflammation on skin lesion</li> </ul>
<b>TUBERCULOSIS</b>	Mycobacterium bovis	  	  	<ul style="list-style-type: none"> <li>• Fever, cough,</li> <li>• Lung infection</li> <li>• General fatigue</li> </ul>
<b>MRSA</b>	Methicillin-resistant Staphylococcus aureus	  		<ul style="list-style-type: none"> <li>• Antibiotics resistance</li> </ul>
<b>STREPTOCOCCOSIS</b>	Streptococcus suis			<ul style="list-style-type: none"> <li>• Meningitis with frequent fetuses of deafness</li> <li>• Arthritis, septicemia, endocarditis, sometimes fatal</li> </ul>

# Why pay attention to zoonoses?

**Zoonoses are animal diseases transmissible to humans, impacting:**

## Human health

- Dramatic results : abortion, incurable diseases
- Clinical aftermath

## Farm biosecurity

- Transmission of biological agents by hands and materials
  - From animal to animal
  - From farm to farm
- Poors zootechnical results
- Livestock slaughters

## Employers profitability

- Lack of efficiency of workers
- Poor work performance
- Work days lost
- Costly treatments needed
- Mandatory declaration

## Examples of zoonoses

**Cryptosporidiosis**  
6 000 human infections  
in the UK per year

**Brucellosis**  
500 000 human infections  
worldwide per year

**Methicillin-resistant  
Staphylococcus  
aureus (MRSA)**  
94 000 infections  
and 18 000 deaths  
annually in the USA

**Salmonellosis**  
200 000 human  
infections in the  
European Union  
per year



# Our CE certified solutions to protect you

APPLICATION	COMPOSTABLE	INSEMINATION	EMBRYO TRANSFER	ULTRASOUND	EQUINE	
GLOVE	GREEN AIR	GIA	COPOLYMERE	POLYTACTYL	POLYTACTYL STERILE	POLYVER
SHAPE						
CARACTERIS-TICS	21µ. ★★★★☆ resistance ★★★★☆ Sensitivity ★★★★☆ odor protection ★★★★★ breathability	24µ. ★★★★☆ resistance ★★★★☆ Sensitivity ★★★★☆ odor protection	23µ. ★★★★☆ resistance ★★★★★ Sensitivity ★★★★☆ odor protection	33µ. ★★★★☆ resistance ★★★★☆ Sensitivity ★★★★☆ odor protection	33µ. ★★★★☆ resistance ★★★★☆ Sensitivity ★★★★☆ odor protection	36µ. ★★★★★ resistance ★★★★☆ Sensitivity ★★★★★ odor protection
SIZE & REF.	L 026066	S 027923 M 026358 L 024199 XL 027924	S 027817 M 024185 L 024183 XL 027922	S 027920 M 024228 L 024225 XL 027921	M 024227 L 025471	L 024256
VETS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INSEMINATION TECHNICIENS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BREEDERS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		



## GREEN AIR

The one and only compostable glove on the market!

- Biodegradable and compostable
- Environmentally friendly (made from starch)
- 7 times more breathable than other gloves

Employer's  
& Personal protective

OBSTETRICS

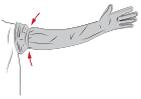
DELIVRANCE

VETORANGE

ECOSENSITIV

VETORANGE SOFT

VETORANGE PLUS



	DELIVRANCE	VETORANGE	ECOSENSITIV	VETORANGE SOFT	VETORANGE PLUS
Resistance	31µ	28,5µ	27µ	24µ	30µ
Sensitivity	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Odor protection	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

L 024222

L 024194

L 024187

L 024197

L 027976

obligations  
equipment

**Regulation: 89/656/EEC - Use of personal protective equipment (PPE)**

“Personal protective equipment must be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or procedures of work organization”.

Personal protective equipment must comply with the relevant

Community provisions on design and manufacture with respect to safety and health. Before choosing personal protective equipment, the employer is required to assess whether the personal protective equipment he intends to use satisfies the requirements of this Directive. (PPE)

**Regulation (EU) 2016/425 on personal protective equipment (PPE)** All PPE shall comply with the Regulation and shall not endanger persons and properties. All PPE shall meet certain health and safety requirements that need to be specified in the PPE's “EU declaration of conformity”. Conformity assessment is the obligation of the manufacturer, which applies to imported PPE, as well. Specific rules governing CE mark on PPEs are set out in this Regulation.

# Production and quality control



The POLYSEM production center was designed and developed to meet and exceed quality assurance standards.

## **CE certified production**

Our gloves production plant is ISO 9001 approved and certified and the gloves have all received a CE certification. Both these certifications guarantee the quality of our products and our production. Polysem has recognized expertise in plastomere extrusion and in gloves manufacturing.

## **Ongoing control of production**

Our gloves are controlled during production to provide you the best quality. Each and every batch of gloves is inspected based on its appearance, the quality of the seams and its air resistance.

## **Corporate Social Responsibility**

As part of our CSR program, we work everyday to improve waste management in our production. Our goal is to reduce all material waste to zero. Any material, which is not used during production is recycled.

