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COATS

Colloidal Oatmeal System



NanoPure Nitrile & Latex Powder Free
Colloidal Oatmeal Coated Gloves

WHAT IS COATS

COATS is a non-fluorinated Colloidal Oatmeal System. It is a patented glove containing technology which contains a clinically proven skin protectant.

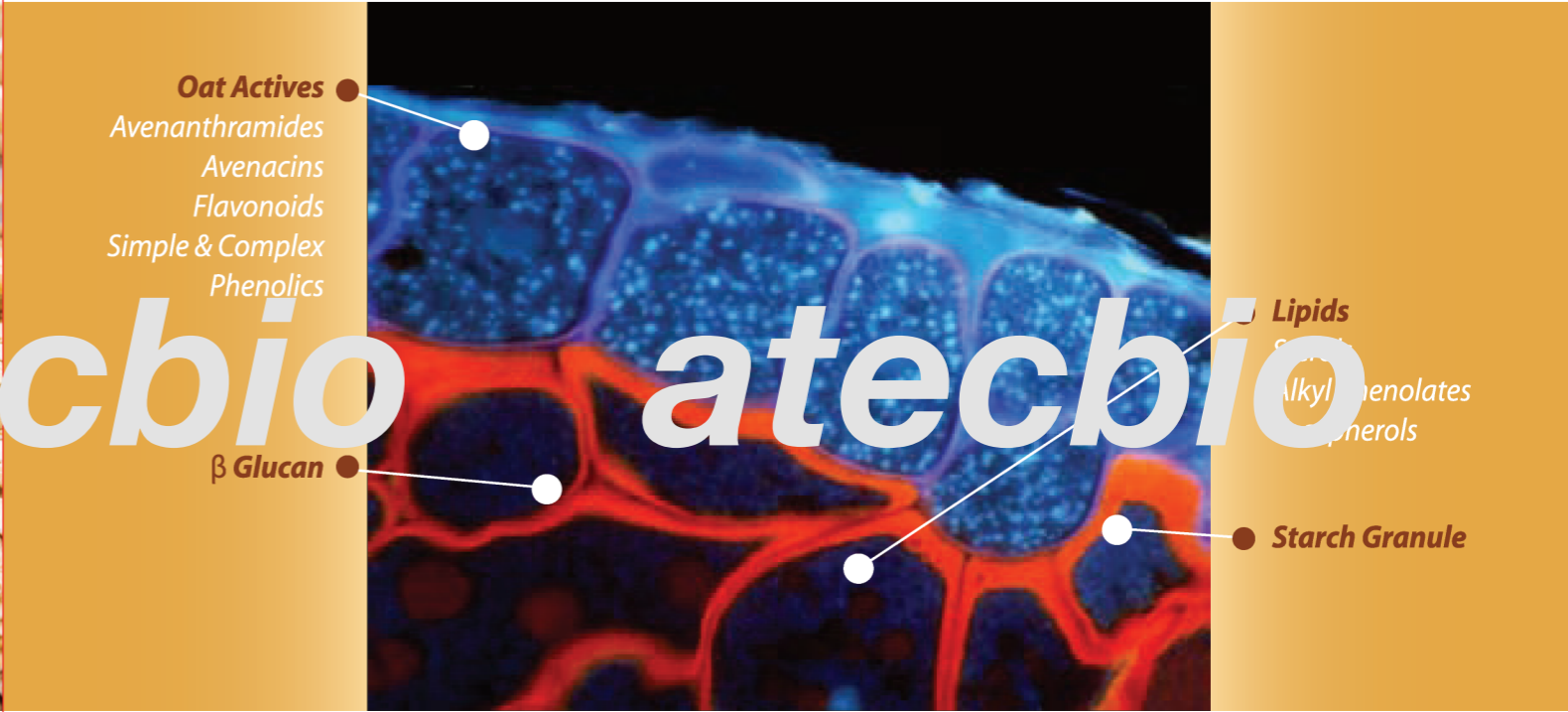
Colloidal Oatmeal System

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DISCOVER THE POWER IN COATS

Colloidal Oatmeal is the concentrated starting point in the development of COATS. Prepared from finely ground oatmeal, its many active ingredients can give you so much more benefits you can enjoy in a glove.



THE NEXT REVOLUTION

As early as 2,000 B.C., the Egyptians and the Arabians used oats to soothe their skin. The ancient Greeks and Romans documented the use of "oat baths" to heal skin ailments. Even today, it is still used as a soothing agent to relieve itch and irritation associated with various xerotic dermatoses.

Realising the unique and powerful therapeutic benefits of colloidal oat, HARTALEGA was able to combine this knowledge with its innovative glove making technology to give you COATS, the next revolutionary glove.

Users who often suffer from dry and itchy skin due to constant hand washing and glove use can now rely on COATS' colloidal oatmeal to help maintain the natural moisture barrier as they work with their hands.



- Avenanthramides** Anti-irritant and redness reduction (anti-histamine effect).
- Avenacins** Anti-inflammatory and immunoregulatory properties in the treatment of eczema dermatitis (AD). Skin barrier strengthening through sebum sequestering.
- Flavonoids** Antioxidants.
- Phenolics** Antioxidants and prevention of lipid peroxidation.
- Beta-Glucan** Moisturizing and wound healing (immuno-stimulant).
- Lipids/Oils** 65% triglyceride, Vitamin E, phospholipids. Effective emulsifying and antioxidant activity.
- Starch** Adsorption and absorption properties. Physical barrier.
- Plant Sterols** Collagen and elastin production stimulation of fibrocyasts. Skin pH Buffering.





Colloidal Oatmeal System

Nitrile Exam Gloves Powder Free, Standard Cuff



COATS® Nitrile		
Length (mm)	≥230	
Thickness Measurements (mm)	≥230	
Palm (centre of palm)	0.12 ± 0.02	
Finger (3mm ± 3mm from tip)	0.12 ± 0.02	
Physical Properties		
	Before Ageing	After Ageing
Tensile Strength (MPa)	≥ 18	≥ 16
Elongation(%)	≥ 500	≥ 400
Inspection Levels & AQL		
	Inspection Level	AQL
Watertightness	G1	1.5
Physical Dimensions	S2	4.0
Tensile Rstrength	S2	4.0
Visual Inspection (Major)	S4	2.5
Visual Inspection (Minor)	S4	4.0
Particulate Residue	N=5	≤2mg/glove
Colloidal Oatmeal Content	N=5	≥5mg/glove

FEATURES

- Fingertip textured
- Powder free
- Not made with natural rubber latex
- Chemo drugs tested
- Lab chemical tested
- Ambidextrous
- Standard cuff
- Dawn blue colour

REGULATORY COMPLIANCE

TGA – ARTG164563, FDA 510(K), MDD 93/42/EEC, REACH, EC 10/2011, (EC) 1935/2004, PPE 89/686/EEC,

STANDARDS

ASTM D6319, EN 455 part1,2,3 &4, EN 1186, EN 13130, CEN/TS 14234, EN 420, EN 374 part 1,2 &3

PATENTS

Patent 6,953,582; Patent 6,630,152; Patent 6,423,328; Patent 6,274,154; Patent 7,691,436; Patent 7,718,240; Patent 7,740,622; Patent 8,075,965; Patent 8,458,818

MANUFACTURING ACCREDITATIONS

ISO 9001:2008
ISO 13485:2003
EN ISO 13485:2012



Colloidal Oatmeal System

Latex Exam Gloves Powder Free, Standard Cuff



COATS® Latex		
Length (mm)	≥230	
Thickness Measurements (mm)	≥230	
Palm (centre of palm)	0.12 ± 0.02	
Finger(13mm ± 3mm from tip)	0.12 ± 0.03	
Physical Properties		
	Before Ageing	After Ageing
Tensile Strength (MPa)	≥ 18	≥ 16
Elongation(%)	≥ 650	≥ 500
Inspection Levels & AQL		
	Inspection Level	AQL
Watertightness	G1	1.5
Physical Dimensions	S2	4.0
Tensile Strength	S2	4.0
Visual Inspection (Major)	S4	2.5
Visual Inspection (Minor)	S4	4.0
Particulate Residue	N=5	≤2mg/glove
Protein Content	N=3	≤50µg/g
Colloidal Oatmeal Content	N=5	≥5mg/glove

FEATURES

- Fully textured
- Powder free
- Made with natural rubber latex
- Lab chemical tested
- Ambidextrous
- Standard cuff
- Lemon green colour

REGULATORY COMPLIANCE

FDA 510(k), MDD 93/42/EEC, REACH, ROHS Directive 2002/95/EC, EC 10/2011, TGA-ARTG 127794, EC 1935/2004, PPE 89/686/EEC

STANDARDS

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COATS

EXAMINATION GLOVES	COLOR	SIZE	WEIGHT (gram)	PRODUCT
NanoPure COATS Nitrile Examination Gloves (Powder Free) 100/pack, 10pack/box	Dawn Blue	X-Small	3.2g	NCT300 XS
		Small		NCT300 S
		Medium		NCT300 M
		Large		NCT300 L
		X-Large		NCT300 XL

EXAMINATION GLOVES	COLOR	SIZE	WEIGHT (gram)	PRODUCT
NanoPure COATS Latex Examination Gloves (Powder Free) 100/pack, 10pack/box	Lemon Green	X-Small	5.5g	NCT450 XS
		Small		NCT450 S
		Medium		NCT450 M
		Large		NCT450 L
		X-Large		NCT450 XL

COATS

ENRICHED WITH OAT β ETA-GLUCAN

Oat beta-Glucan is a key component in colloidal oatmeal. Studies have shown its ability to penetrate skin to soothe and relieve from a variety of minor skin irritations. Moreover, it forms a film forming product that helps skin retain water leading to better skin barrier integrity.

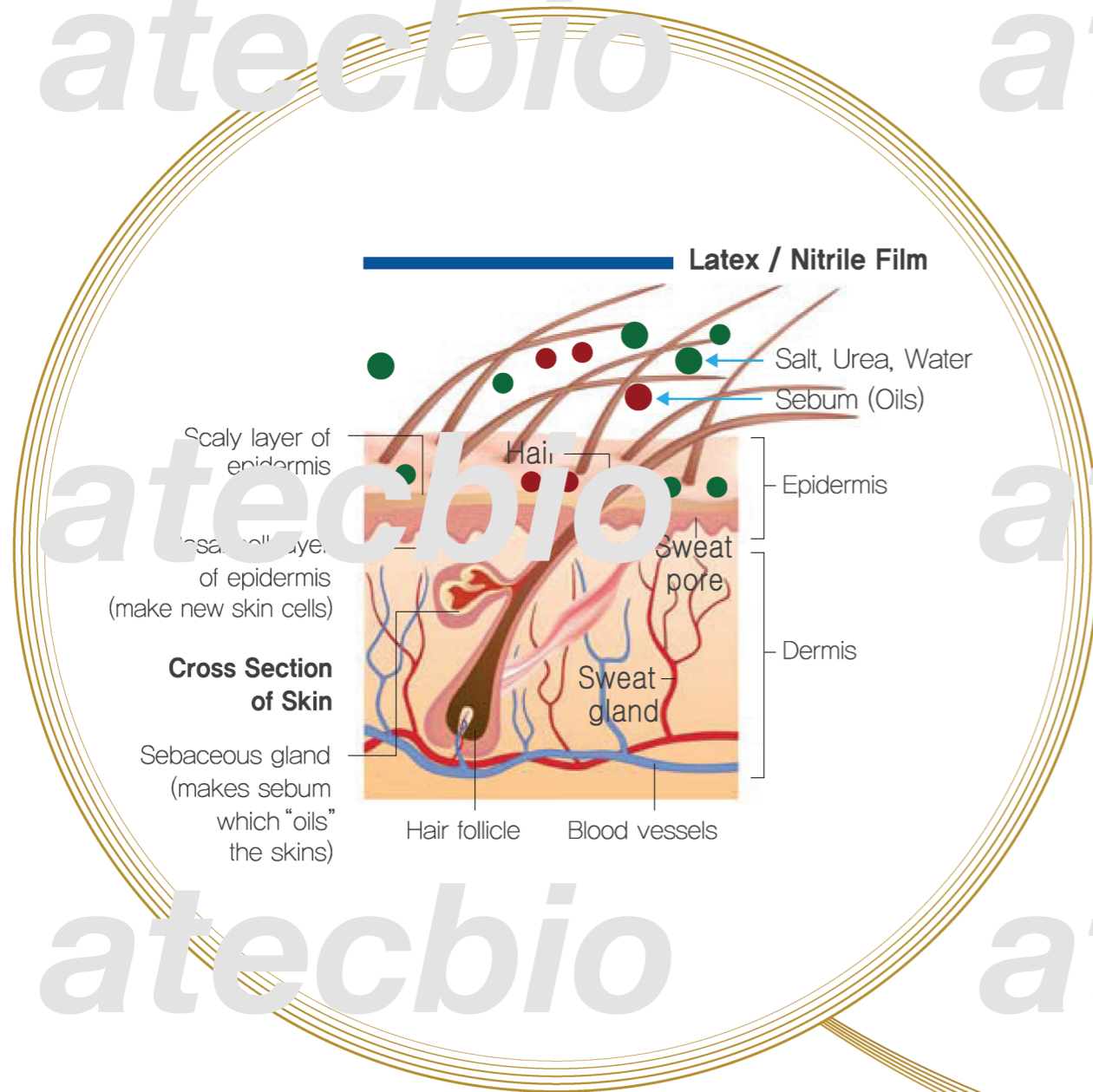
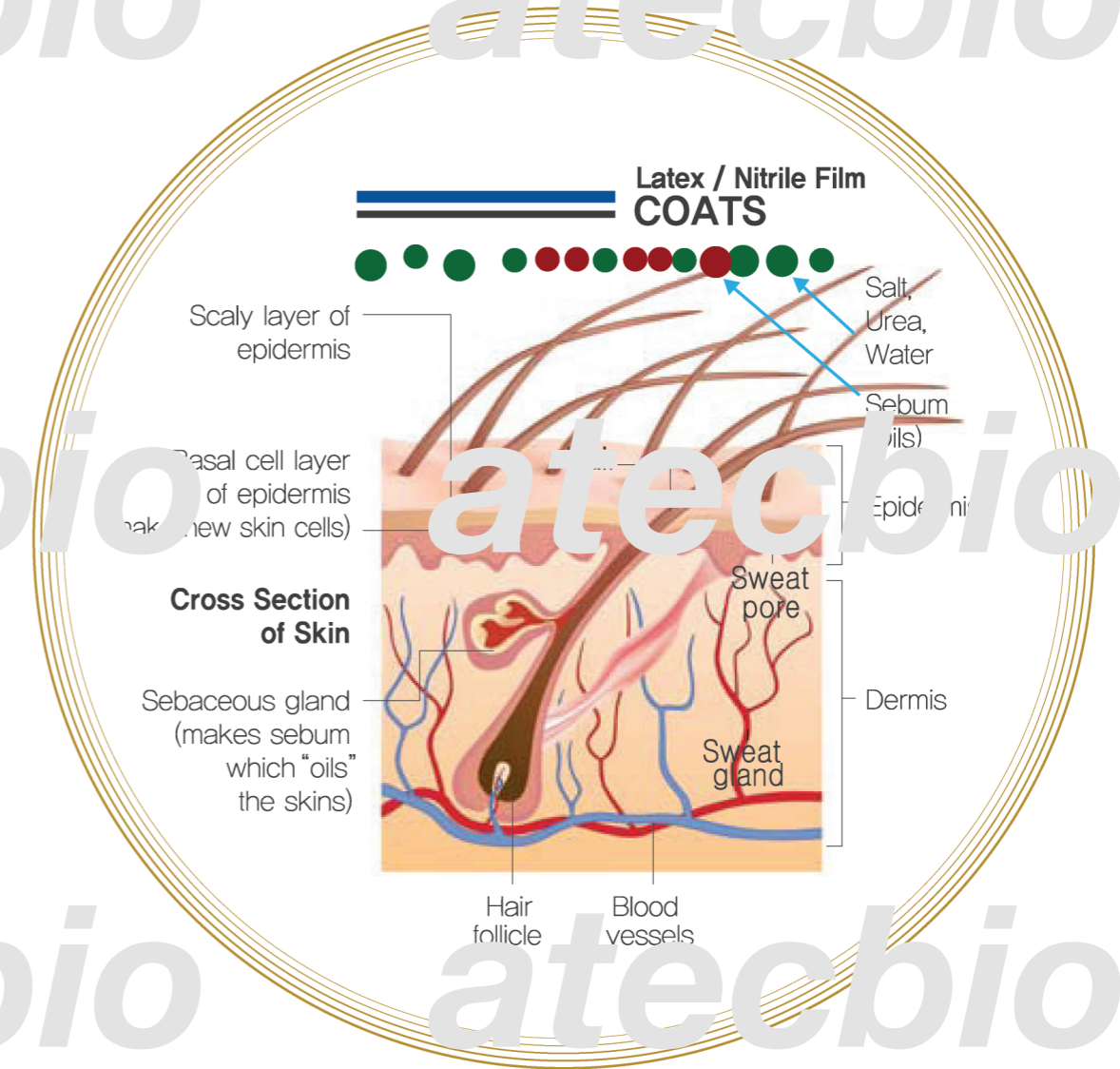
TYPICAL CONDITIONS WHEN WEARING A NORMAL GLOVE

- Lack of oxygen
- Very high humidity; no evaporation
- Accumulation of oil, urea, salt and water (hydration dermatitis)
- Elevated temperature
- Potential irritation from glove film (contact dermatitis)

EXPECTED BENEFITS FROM WEARING A COATS GLOVE

COATS technology prevents direct irritation and hydration dermatitis and make the wearer as comfortable as possible by:

- Creating a natural physical barrier between glove and skin
- Absorbing water, urea and salt excretions
- Anti-irritant and redness reduction
- pH buffering
- Natural moisturising



Leading to healthier skin



FAQs



1. What are Oats ?

The oat (*avena sativa*) is a cereal grain grown and harvested for its seeds, which are used in a wide variety of products, including food, agriculture, health and skincare products.

2. What is Colloidal oatmeal?

Colloidal oatmeal is the micronutrient-rich COATS gloves, created by milling the oat seeds into a fine powder. Colloidal oatmeal is recognised by the FDA as a skin protectant supported by the results of clinical studies which have found colloidal oatmeal to reduce and control rash, xerosis, dermatitis and assist in the healing of burns.¹ COATS gloves utilise the powerful and therapeutic benefits of colloidal oatmeal by including a coating of colloidal oatmeal inside the gloves. COATS gloves moisturise your hands while you wear them, replacing moisture stripped from the skin, removing dead skin cells, relieving itch and irritation, repairing damages from other chemicals and calming the skin.

3. What is Gluten ?

Gluten is a mixture of proteins that occur naturally in wheat, rye, barley and crossbreeds of these grains.² Gluten can be found in foods containing these ingredients, including bread, pasta, cakes, cereal and various sauces and dressings.³ For most people, gluten is entirely safe to eat, and is a healthy source of protein and fibre. However, for people who suffer from coeliac disease, gluten can cause serious medical problems.⁴

4. What is Coeliac Disease ?

Coeliac is a medical disease in which the immune system reacts abnormally to gluten, causing small bowel damage. Coeliac disease is a genetic predisposition, meaning people who suffer from the disease are born with genes that may result in the development of gluten intolerance. Coeliac disease is estimated to affect 0.01% of the population. If undiagnosed, coeliac disease can lead to chronic system inflammation, poor nutrition and malabsorption of nutrients. Coeliac disease cannot be cured, thus people who suffer from this disease must maintain a lifelong gluten-free diet.⁴

5. Do Oats contain gluten ?

Oats do not naturally contain gluten. However, due to the demands of the modern agricultural market, oat crops are often grown in close proximity to, or on plots of land previously used to grow, wheat, barley and rye crops, which can lead to cross-contamination. Food standards in Europe and the USA recognise oats as being gluten free and safe for those with coeliac disease to consume.⁵ However, Coeliac Australia recommends those suffering from the disease consume only oats labelled as wheat, rye and barley free.⁵

6. I have Coeliac Disease. Can I wear COATS gloves ?

Yes. While minute traces of gluten due to cross-contamination may be in the colloidal oatmeal coating of COATS gloves, topical exposure to gluten is completely safe for coeliac sufferers. According to the Centre for Coeliac Research, "...it is the oral ingestion of gluten that activates the immunological cascades leading to the autoimmune process typical of coeliac disease".⁶ That is, the adverse symptoms associated with coeliac disease occur only when gluten is ingested orally. The presence of gluten in products designed for external use in particular the application of gluten products to the skin, has been addressed by the Centre for Coeliac Research.

"If you have coeliac disease, then the application of gluten containing products to the skin should not be a problem, unless you have skin lesions that allow gluten to be absorbed systematically in great quantities"
-Dr Alessio Fasano, Medical Director of the Centre for Coeliac Research.⁶

In fact, it is generally agreed that gluten molecules are too large to be absorbed through the skin.⁷ As always, you should practice appropriate hand washing techniques as part of routine hygiene practices when you anticipate contact with potentially infectious people or substances.

7. Will my patients be exposed to Gluten if I use COATS gloves ?

No. The colloidal oatmeal coating is present only inside COATS gloves, meaning the patient does not come in contact at all with this coating. If donned and doffed correctly the inside of the glove should not be exposed to the patient.

If, through circumstance, the patient was to come into contact with the inside of the glove, this would cause no adverse harm to the patient, as topical exposure to gluten is completely safe for coeliac sufferers. Further, COATS gloves require only a minimal coating of colloidal oatmeal to achieve powerful and therapeutic skin benefits. Thus, the traces of gluten (if any) in the colloidal oatmeal coating would be extremely small.

Clinical studies that have examined the benefits of colloidal oatmeal on the skin have found that it is a safe and effective treatment for a wide range of skin conditions, without the presence of adverse reactions, including allergies.⁸

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