Dermategrity Barrier Cream – Summary of Evidence

Scotiaderm

The Problem

Moisture Associated Skin Damage (MASD)

MASD is an umbrella term used to describe damage to the skin resulting from exposure to moisture. It can arise from different sources, including:

- **urinary and/or fecal incontinence**
- Perspiration
- saliva or mucus
- wound exudates
- stomal effluent



There is a 30% incidence of MASD across healthcare



This increases to up 80% in the elderly population

There are 4 types of MASD classified according to the anatomical location and the type of moisture exposure:

- **incontinence associated dermatitis (IAD)**
- peri-wound dermatitis
- intertrigo (ITD)
- peristomal dermatitis

The Solution

Dermategrity Barrier Cream

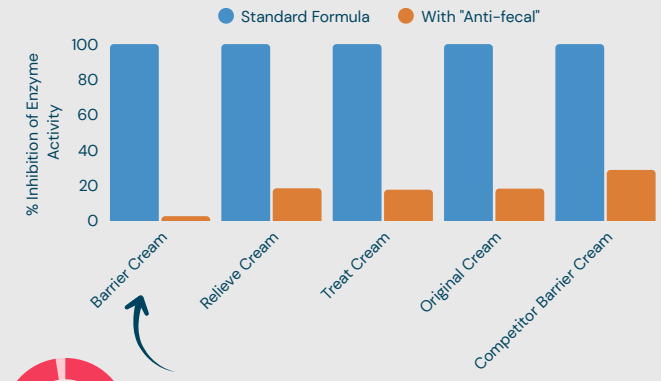
A Health Canada licensed Natural Product, Dermategrity Barrier Cream is a proprietary formula containing a natural plant extract that inhibits the digestive enzymes commonly found in feces, saliva, and stomal effluent.

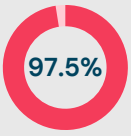


In Vitro Methodology

- **5% pancreatin** used as a model of diarrhea
- **Spectrophotometric assay** used to measure enzymatic activity
- Natural plant extract was prepared and tested in the pancreatin in concentrations of **3%, 7% and 15%** using an Azocasein assay
- Inhibition of the pancreatin was similar at all concentrations, therefore, a concentration of **3% of extract** was used for testing
- The extract was then added to Dermategrity products and a competitor barrier cream, and the Azocasein-pancreatin assay was performed

In Vitro Results





Our proprietary natural plant extract inhibits **97.5%** of digestive enzyme activity in vitro when added to our Barrier Cream formula.

Clinical Case Studies

Diaper Rash – 9moF

- **Persistent diarrhea causing skin redness, erosion and bleeding**
  Reported trying various product that made no difference to symptoms, including prescription and over-the-counter products, and commercially available barrier creams
- **Dermategrity improved symptoms after 2 days, with complete healing in 7 days**

Crohn's Colitis – 64M

- **Experiences recurrent episodes of fecal incontinence**
  Skin breakdown so severe that toilet paper is too abrasive to skin
- **Daily application of Dermategrity helped all symptoms within 1 day of use**
- **Continued application of Dermategrity once symptoms resolved prevented recurrence, even when incontinence was an ongoing issue**

Radiation Proctitis – 65F

- **Experiences severe diarrhea within one day of radiation therapy**
  Reported no products have successfully helped symptoms of pain, burning and itching
- **No symptoms at all with proactive use of Dermategrity after incontinence**

Peristomal Dermatitis – 60F

Persistent skin erosion around stoma from leaking ostomy causing dermatitis

- **Daily application of Dermategrity provided immediate relief from symptoms of itching**
- **Noted that cream is not the easiest for use with plate**

Testimonials

"The irritation that I was experiencing before the trial has completely disappeared. Thanks for allowing me participate as I have been waiting for this day for 8 years."
– Peter, Crohn's patient

"The Anti-Fecal cream was incredible. In my humble opinion it is the best source of relief I have ever used for diarrhea burning and itchiness."
– Sandra, radiation proctitis patient

Research & Development

Clinical Trials

Scotiaderm is proud to offer a product backed by scientific and clinical evidence. We have clinical trials in progress to obtain novel claims for our product, working alongside **Dr. Kevin Woo** at Toronto Grace Hospital, and with **Dr. Ranjani Somayaji** at the University of Calgary.

