



## Filtaclear®: Product Specification

- A. BARRIER PROTECTIVE COVER
- B. ANTI-BACTERIAL QUALITIES IN THE CREAM
- C. TOTAL SUN BLOCK

### A. BARRIER PROTECTIVE COVER.

The Barrier Protective Cover needs to exhibit the following features when applied to skin areas:

1. **Smooth application** with minimum stress.
  - a. Filtaclear® Cream forms a smooth film and is extremely spreadable with minimum surface pressure.
  - b. Visible coating can be applied thickly or thinly to suit conditions.
2. Be **non-reactive to skin** areas:
  - a. Filtaclear® has a pH 6.0 - 6.5 being tissue compatible.
  - b. The high absorbency factor of Microfine Titanium dioxide allows natural take-up of serum and discharge from skin areas.
  - c. Microfine Titanium dioxide is 20nm, this is larger than nano sized particles.
3. **Barrier coating** must be **inert to living tissue**:
  - a. Filtaclear® Cream normally does not need to be removed before suturing.
  - b. Filtaclear® Cream may be applied over veterinary procedures to prevent licking
  - c. Cover application of Filtaclear® Cream will minimize exposed areas from dehydrating and damage.
4. **Skin Transpiration** factors must be maintained.
  - a. The aqueous phase of the Filtaclear® Cream combined with the dense filming action of Microfine Titanium dioxide allows aqueous transfer and transpiration for the covered area, promoting moist healing.
  - b. The oil balance in Filtaclear® Cream is critical for the protection of the lipid structure of the covered tissue.

5. **Adhesion** of the Cream cover to applied areas of skin.
  - a. FiltaClear<sup>®</sup> Cream, even when gently rubbed in to a near-clear film will only require daily re-application if not licked/rubbed off. However for sun protection it is advised to apply morning and re-coat at midday if outdoors.
  - b. FiltaClear<sup>®</sup> Cream is easily and painlessly removed using mild soap or antiseptic liquid in warm water. Clean and pat dry before re-applying FiltaClear<sup>®</sup>.
  
6. **Integrity** as a **Barrier Cover** of the FiltaClear<sup>®</sup> Cream.
  - a. FiltaClear<sup>®</sup> Cream contains the **preservative function** of Bronopol BP and Dichlorobenzyl Alcohol (DCBA) which is maximized by the synergistic combination of these two ingredients. This alleviates and prevents the growth of yeasts and moulds and lessens the invasion of pathogens - especially useful when applied to difficult to clean or dirty skin areas.
  - b. FiltaClear<sup>®</sup> Cream also contains Bitrex<sup>®</sup> (Denatonium benzoate), a bittering agent that will inhibit licking of the area.

## B. ANTI-BACTERIAL

The presence of Microfine Titanium dioxide (20nm) maintains the anti-bacterial cover within the cream while the barrier coating is in place. The preservative agents (Bronopol BP and Dichlorobenzyl alcohol (DCBA)) that protect the cream from moulds and yeasts, also form the antibacterial qualities of the product. These help prevent invasion of the skin from external bacteria

## C. TOTAL SUN BLOCK

FiltaClear<sup>®</sup> Cream is a total reflective sunblock when a visible cover coating is in place. The cream may be applied to any skin area. Re-apply when filming (white) is not visible.

The Microfine Titanium dioxide is **reflective** and is **not absorbed**. The SPF (Sun Protection Factor) and UVA/UVB protection is maintained while the visible coating is in place.

**SPF:** 24 - 27 (FDA >15 = ultra protection)  
**UVA/UVB Ratio:** 0.6 (Category descriptor: 0.6 - 0.8 = superior)

## **SPECIFICATIONS of FiltaClear® CREAM:**

### **Active Ingredients:**

Microfine Titanium Dioxide (20nm) USP	10.0%
Bronopol BP	0.1%
Dichlorobenzyl Alcohol (DCBA)	0.15%

Form: Water in oil Cream.

pH: 6.0 - 6.5

Expiry: 36 months from date of manufacture.

Presentation:

Packs: 50g tubes

