

for fine cosmetics since 1938

CLR's new active ingredient

### CutiBiome CLR™

- Synergistic complex of manuka, black pepper and magnolia
- Acts on the core problems of skin dysbiosis
- Reduces growth and biofilm formation of most virulent phylogenes of C. acnes
- Inhibits the expression of 5α-reductase and shows potent anti-inflammatory effects
- Noticeably reduces sebum, papules, pustules and comedones
- Potently acts against dendritif and scalp sensitivity

Calibrating the skin's ecosystem

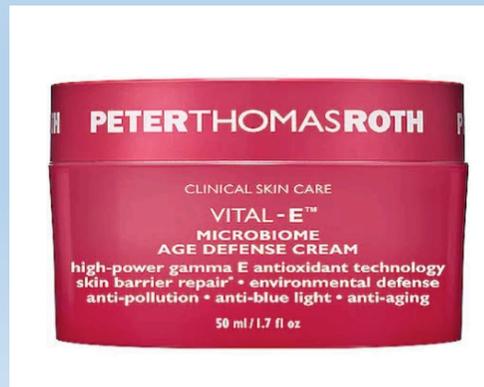
Virtual Exhibition

CLR  
Chemisches Laboratorium Dr. Kurt Richter GmbH  
Berlin, Germany [www.clr.de](http://www.clr.de)

CutiBiome CLR™

## The microbiome, anti-ageing and skin health claims

*Dr Chris Gummer  
Cider Solutions Ltd.*



Cider Solutions Ltd.  
00 44 (0) 7786 333602  
4chrisingummer@gmail.com

Anti-Ageing Skin Care Conference 2020  
Virtual Edition

To claim an anti-ageing benefit you need to define skin ageing



<https://www.olay.co.uk/en-gb/skin-care-products/total-effects-7-in-1-anti-ageing-day-moisturiser-with-spf-15>

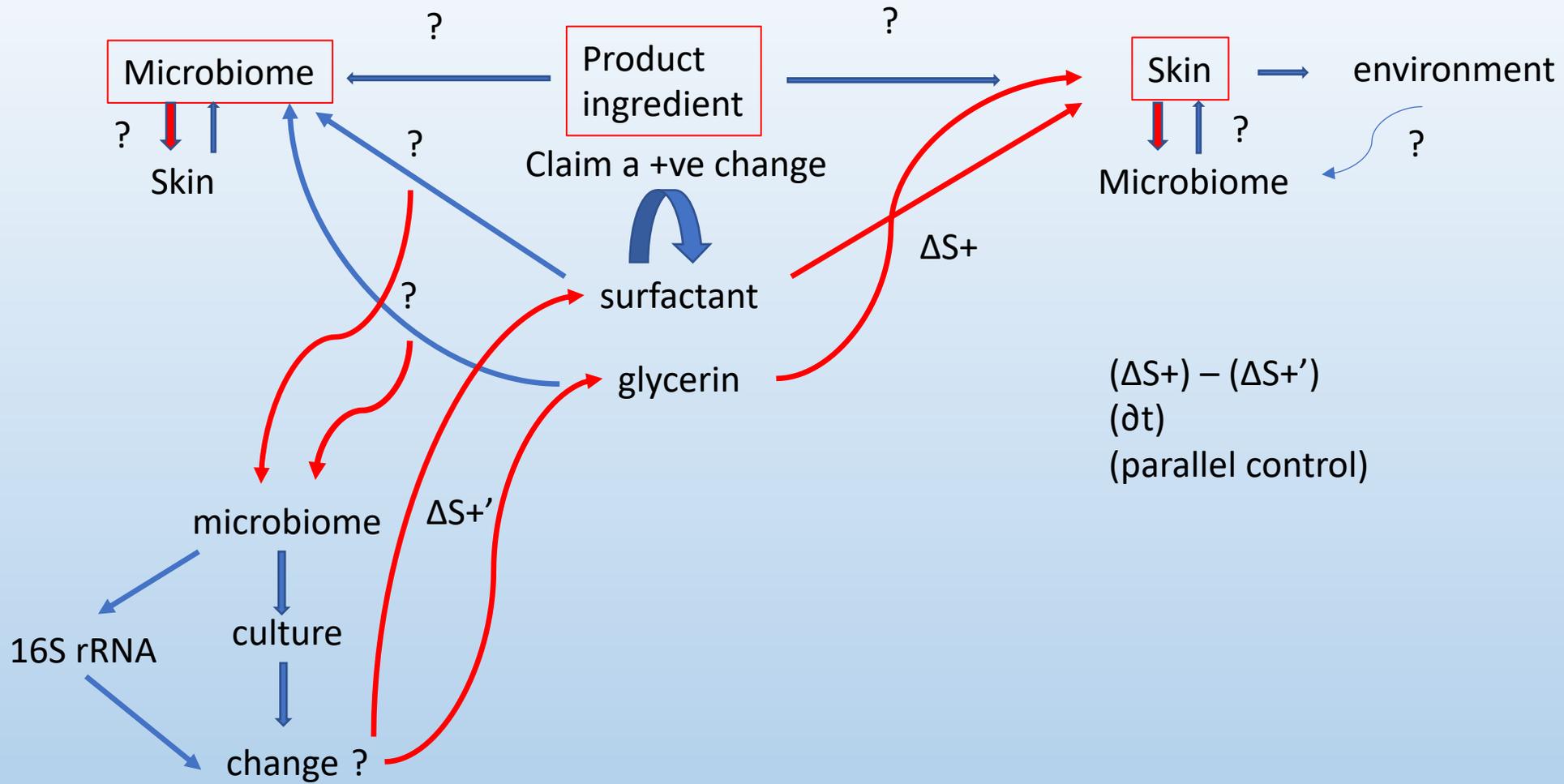
- 1.Reduces the appearance of wrinkles
- 2.Moisturises
- 3.Evens skin tone (Reduces appearance of age spots)
- 4.Refines look of pores
- 5.Smoothes the texture of the skin
- 6.Brightens
- 7.Helps to restore skin's firmness.

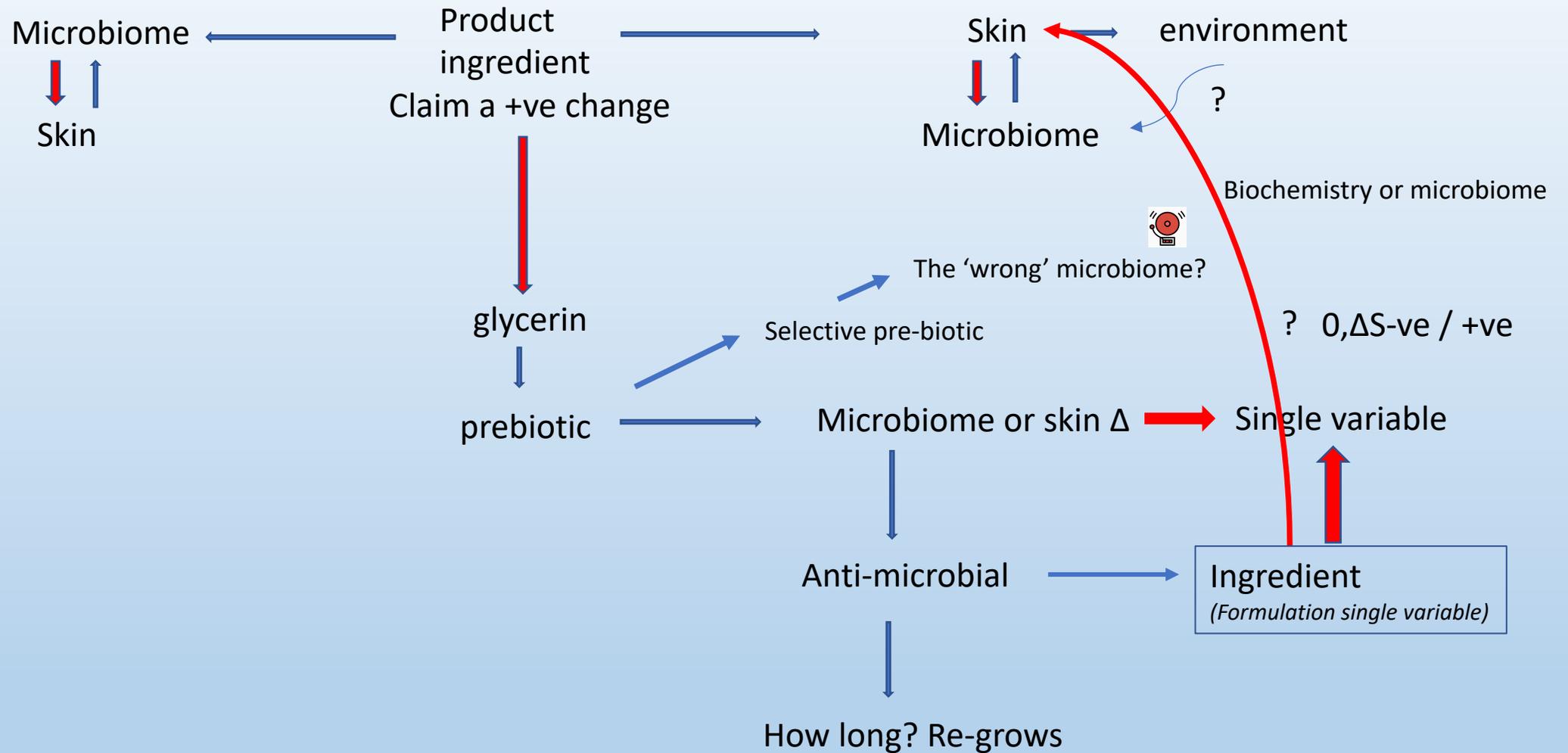
What is the technical model that means the microbiome has any effect on the 7 signs of ageing?

If there isn't a reason then there isn't a claim.

“To date we have seen no sound data proving cosmetic ingredients or products have an anti-ageing benefit, or a general skin health benefit, as a result of changing or complementing the skin microbiome”

Is that because it doesn't work or can't be proved?







Which bit of skin?

Which microbiome?  
Location, age, race, sex, diet ...

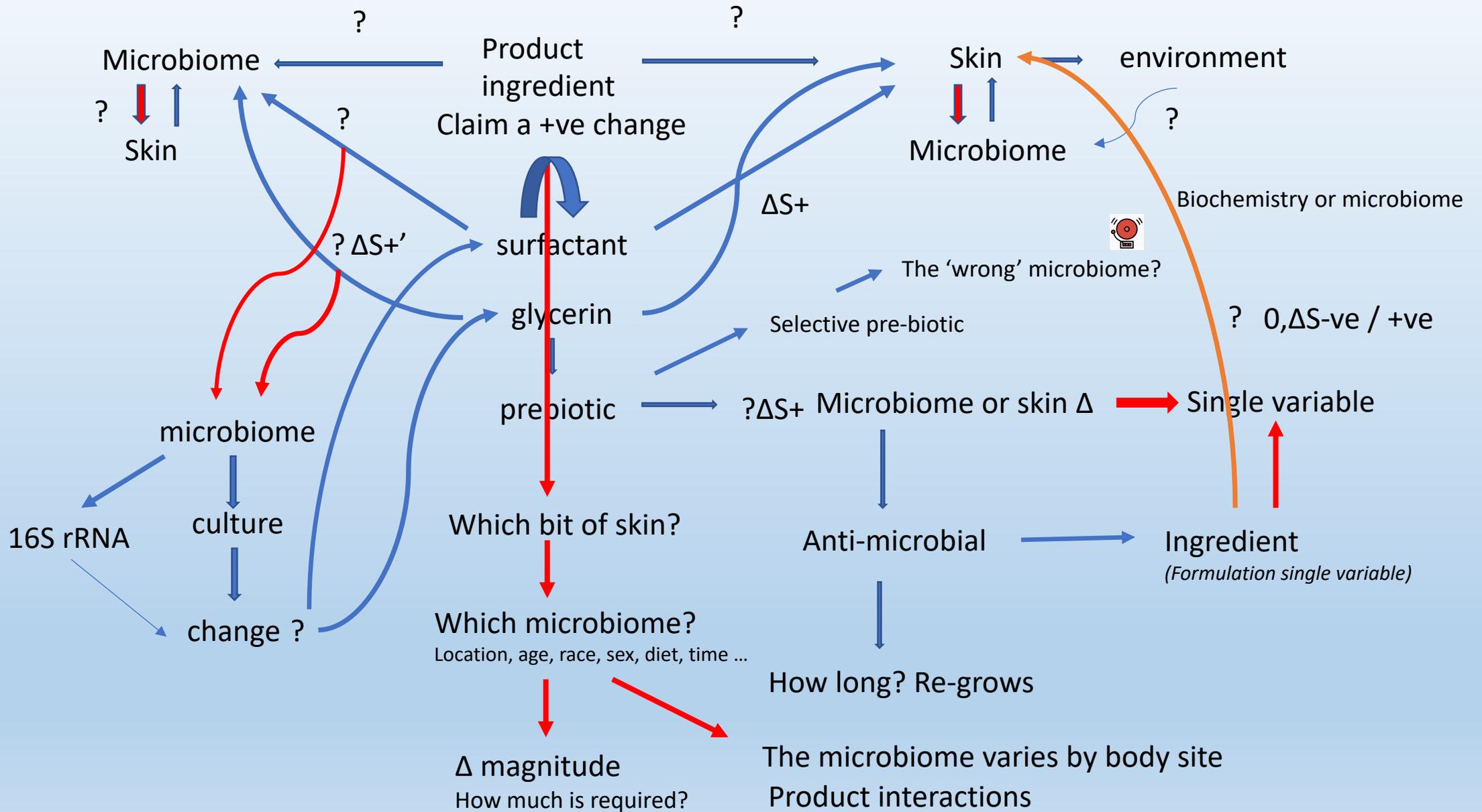
$\Delta$  magnitude  
How much is required?

The microbiome varies by body site

Face: T zone, terminal and vellus hair sites  
Multiple products, multiple layers

Before you consider making anti-ageing or skin health claims based on changing the microbiome, you need to have supporting data.

To get the data you need to spend a few minutes thinking about experimental design !



Does changing the microbiome change the skin?  
Will it have an anti-ageing or skin health benefit?

I'm yet to be convinced but data can change that

# The Cider Solutions Microbiome prize



\*

- A case of Champagne to the first proof that changing the microbiome alone results in healthier or younger looking skin
- In “every day”, non medical skin conditions.
- Using cosmetic ingredients / products
- Submission of any study for review.
- All conclusions will be made public

*\* The image is for example only and other champagnes may be substituted.*

To make microbiome based anti-ageing and skin health claims, you will need:

1. A strong technical model that demonstrates the microbiome could have an effect on skin ageing.
2. A strong technical model for “everyday skin” and the controlling effect of the microbiome.
3. Single variable data to demonstrate the microbiome changes the skin more than the product or ingredient

Only then can you contemplate claims that your product changes the microbiome and, as a result, improves skin health or improves skin ageing