



INGENIOUS PROBIOTICS

RESEARCH STUDY

LUCAA+ PET SHAMPOO

VETERINARY

APPLICATION TEST



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Expertise on a
four-week veterinary
application test

Provilan Pet Shampoo

Client:	Probiotic Group B.V. Kerkhofstraat 21 The Netherlands
Test persons:	20 dogs with longer fur
Test period:	4 weeks
Test area:	fur
Application frequency:	twice over a period 4 weeks

- ⋮ Application Test
- ⋮ Provilan Pet Shampoo

1. PRINCIPLE AND METHOD

The purpose of this study was to examine the tolerability of the **Provilan Pet Shampoo** according to veterinary test criteria. The dog owners were able to consult the veterinary taking care of the test participants any day in case of any objective skin or fur changes were noted.

Before the commencement of the trial, all participating dogs were examined veterinary. Only animals without any pathological changes of the fur or skin were included.

Each of the dog owner was instructed to use the product twice during the application period on the whole body of the animal. The first time directly at the beginning of the study and the second time at day 7. The associated questionnaire should be filled out concomitantly.

2. PANELLISTS

The test panel does include 20 male and female dogs.

2.1 INCLUSION CRITERIA

dog owner aged 18 years and older, dogs with longer fur

2.2 EXCLUSION CRITERIA

severe or chronic skin inflammation

serious inner or chronic diseases

intake of drugs that possibly can interfere with skin reactions

known cancer

pregnancy or lactation period

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2. 2 SUBJECTS

No.	Breed of the dog	Colour of the fur	Age of the dog
1.	Cocker-spaniel	black and white	7 years
2.	German Shepard	grey	4 years
3.	Landseer	black and white	6 years
4.	Golden Retriever	bright	13 years
5.	Saint Bernhard	brown and white	5 years
6.	Cocker-spaniel	black	14 years
7.	Australian Shepard	red	6 years
8.	Australian Shepard	black-tricolour	10 years
9.	Border Collie	black and white	8 months
10.	Mixed Breed	blond	7 years
11.	Mixed Breed	black and white	8 months
12.	Mixed Breed	black	8 years
13.	Jack-Russel-Mix	black and white	3 years
14.	Labrador-Mix	white	5 years
15.	Shepard-Mix	black and brown	3 years
16.	Australian Shepard	black-tricolour	6 years
17.	Husky	grey and white	3 years
18.	Appenzeller-Senne	black	8 years
19.	Labrador-Hovawart-Mix	golden	11 years
20.	Small German Spitz	red	11 years

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3. VETERINARY EXAMINATIONS

1. At the beginning of the study

All of the dogs showed healthy skin and fur. No pathological skin disorder was detected.

2. During the study

No complaint of any pathological skin disorder was reported during the course of this application test. Interruptions of test and/or medical intervention were not necessary.

3. At the end of the study

During the final veterinary examination at the end of the study, none of the dogs showed development of any pathological skin change. The mentioned product was well-tolerated, no evidence of any pathological skin disorder could be detected.

4. DERMATOLOGICAL ASSESSMENT CRITERIA

1. Erythema
2. Pruritus
3. Scaling
4. Dryness
5. Weeping skin areas

5. SUBJECTIVE ASSESSMENT CRITERIA

1. Overall evaluation of the product
2. Evaluation of the tolerability of the product for the dog after the application of the product

6. QUESTIONNAIRE

1. How do you rate the scent of the product?

- [6 x] very good
- [13 x] good
- [0 x] bad
- [1 x] neither nor

2. How do you rate the intensity of the scent?

- [0 x] way too intensive
- [0 x] too intensive
- [19 x] just right
- [1 x] too weak

3. How do you rate the smell of the dog before the application?

- [1 x] very pleasant
- [2 x] pleasant
- [5 x] neutral
- [6 x] unpleasant
- [6 x] very unpleasant

4. How do you rate the smell of the dog directly after the first application?

- [14 x] very pleasant
- [5 x] neutral
- [1 x] unpleasant
- [0 x] very unpleasant

5. How do you rate the smell of the dog one day after the application?

- [11 x] very pleasant
- [8 x] neutral
- [1 x] unpleasant
- [0 x] sehr unangenehm

6. How do you rate the smell of the dog one week after the first application (**BUT**: before the second application)?

- [3 x] very pleasant
- [16 x] neutral
- [1 x] unpleasant
- [0 x] very unpleasant

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7. How do you rate the smell of the dog directly after the second application?

- [17 x] very pleasant
- [3 x] neutral
- [0 x] unpleasant
- [0 x] very unpleasant

8. How do you rate the smell of the dog one day after the second application?

- [15 x] very pleasant
- [5 x] neutral
- [0 x] unpleasant
- [0 x] very unpleasant

9. How do you rate the smell of the dog one week after the second application?

- [5 x] very pleasant
- [15 x] neutral
- [0 x] unpleasant
- [0 x] very unpleasant

10. How do you rate the smell of the dog at the end of the application period?

- [1 x] very pleasant
- [18 x] neutral
- [1 x] unpleasant
- [0 x] very unpleasant

11. Please rate the following statement: „ By the application of the product the smell of the dog is abolished for a longer period.“

- [4 x] totally agree
- [15 x] agree
- [1 x] don't agree
- [0 x] neither nor

12. How do you rate the compatibility of the product for the dog?

- [18 x] very good
- [2 x] good
- [0 x] sufficient
- [0 x] bad

13. Do any reactions of the dog indicate any incompatibilities?

- [20 x] no
- [0 x] yes, if yes, what kind of reaction: _____

14. Please rate the following statement: „ By the application the dog scratches itself less.“

- [2 x] totally agree
- [8 x] agree
- [4 x] don't agree
- [6 x] neither nor

15. Please rate the following statement: „ The product gently cleans the fur of the dog.“

- [15 x] totally agree
- [5 x] agree
- [0 x] don't agree
- [0 x] neither nor

16. Please rate the following statement: „ By the application of the product the fur seems to be better-kept and healthier.“

- [7 x] totally agree
- [13 x] agree
- [0 x] don't agree
- [0 x] neither nor

17. Please rate the following statement: „ By the application of the product the fore is easier to comb.“

- [6 x] totally agree
- [13 x] agree
- [0 x] don't agree
- [1 x] neither nor

18. Please rate the following statement: „ By the application of the product the fur becomes more lustrous and glossy.“

- [9 x] totally agree
- [8 x] agree
- [0 x] don't agree
- [3 x] neither nor

19. Please rate the following statement: „ The unwanted discolouration of the fur is diminished significantly.“

- [3 x] totally agree
- [10 x] agree
- [1 x] don't agree
- [6 x] neither nor

20. Please rate the following statement: „ The dog doesn't have any increased production of ear wax anymore.“

- [0 x] totally agree
- [3 x] agree
- [5 x] don't agree
- [12 x] neither nor

21. Please rate the following statement: „ I would recommend the product.“

- [8 x] totally agree
- [12 x] agree
- [0 x] don't agree
- [0 x] neither nor

22. Would you buy the product after this application test?

- [20 x] yes
- [0 x] no, because _____

23. Ho do you rate the product overall?

- [9 x] very good
- [11 x] good
- [0 x] satisfying
- [0 x] insufficient, because _____

24. What did you especially dislike about the product?

- [1 x] the product should foam faster after application
- [1 x] nothing
- [1 x] much product is needed for the fur of a Husky
- [17 x] no statement

25. What did you especially like about the product?

- [1 x] easy to comb and neutralises the smell of the dog, but does only persist for 2 weeks
- [1 x] efficient and the scent
- [1 x] easy to distribute and rinse out
- [1 x] very efficient smell neutralisation, dog lives on a farm
- [1 x] pleasant scent, an all-over good product
- [1 x] even smell and colour of liquid manure were removed very well
- [1 x] good tolerability, pleasant, not too intense scent, removes dirt and unpleasant smell, fur becomes soft and glossy, does not stick together
- [1 x] smell and colour of dung and liquid manure is removed completely
- [2 x] very economically
- [1 x] good scent
- [1 x] pleasant scent
- [1 x] smells pleasant
- [1 x] loose hair is easily removed during wash
- [1 x] cleaning effect and tolerability
- [5 x] no statement

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7. ASSESSMENT OF RESULTS

All of the 20 dogs tolerated the product **Provilan Pet Shampoo** very well during the course of the four-week test under veterinary observation. There were no undesired or even pathological reactions.

It can, therefore, be concluded that the use of **Provilan Pet Shampoo** in practice does not lead to any undesired skin reactions due to any skin irritant or sensitizing characteristics of the product.

From a veterinary point of view it can be concluded that
all of the dogs tolerated the product
Provilan Pet Shampoo
in a twice time application over a period of 4 weeks under
veterinary conditions
very well.

Dr. med. vet. Rebekka Wilhelm
Veterinary



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