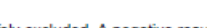


## En casehistorie: Tarmflora og leverfunktion

### Putrefactive (proteolytic) germs:

|                       |                      |              |                                                                                       |                                       |
|-----------------------|----------------------|--------------|---------------------------------------------------------------------------------------|---------------------------------------|
| Escherichia coli      | <1 x 10 <sup>4</sup> | CFU/g faeces |    | 1x10 <sup>6</sup> - 9x10 <sup>7</sup> |
| Proteus species       | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Klebsiella species    | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Enterobacter species  | 1 x 10 <sup>5</sup>  | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Hafnia alvei          | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Serratia species      | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Providencia species   | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Morganella morganii   | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Kluyvera species      | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Citrobacter species   | <1 x 10 <sup>4</sup> | CFU/g faeces |    | < 1x10 <sup>4</sup>                   |
| Pseudomonas species   | <1 x 10 <sup>4</sup> | CFU/g faeces |   | < 1x10 <sup>4</sup>                   |
| Clostridium species   | <1 x 10 <sup>5</sup> | CFU/g faeces |  | < 1x10 <sup>6</sup>                   |
| Clostridium difficile | negativ              |              |                                                                                       | negativ                               |

With a negative result a possible infection with clostridium difficile cannot be safely excluded. A negative result may be caused by intermittent excretion of the pathogen. With appropriate clinical suspicion a check-up and the determination of the GDH-specific antigen and the toxin A / B is recommended.

#### Acidifying (protective) germs:

|                         |                               |                                                                                     |                                    |
|-------------------------|-------------------------------|-------------------------------------------------------------------------------------|------------------------------------|
| Bacteroides species     | $4 \times 10^8$ CFU/g faeces  |  | $1 \times 10^9 - 9 \times 10^{11}$ |
| Bifidobacterium species | $<1 \times 10^8$ CFU/g faeces |  | $1 \times 10^9 - 9 \times 10^{11}$ |
| Lactobacillus species   | $2 \times 10^6$ CFU/g faeces  |  | $1 \times 10^5 - 9 \times 10^7$    |
| Enterococcus species    | $8 \times 10^6$ CFU/g faeces  |  | $1 \times 10^6 - 9 \times 10^7$    |

# Mutaflor<sup>®</sup> Hartkapseln



**Putrefactive (proteolytic) germs:**

|                       |                      |              |                                                                                     |                                       |
|-----------------------|----------------------|--------------|-------------------------------------------------------------------------------------|---------------------------------------|
| Escherichia coli      | 1 x 10 <sup>6</sup>  | CFU/g faeces |  | 1x10 <sup>6</sup> - 9x10 <sup>7</sup> |
| Proteus species       | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Klebsiella species    | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Enterobacter species  | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Hafnia alveii         | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Serratia species      | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Providencia species   | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Morganella morganii   | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Kluyvera species      | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Citrobacter species   | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Pseudomonas species   | <1 x 10 <sup>4</sup> | CFU/g faeces |  | < 1x10 <sup>4</sup>                   |
| Clostridium species   | <1 x 10 <sup>5</sup> | CFU/g faeces |  | < 1x10 <sup>6</sup>                   |
| Clostridium difficile | negativ              |              |                                                                                     | negativ                               |

**Acidifying (protective) germs:**

|                         |                    |              |                                                                                     |                                    |
|-------------------------|--------------------|--------------|-------------------------------------------------------------------------------------|------------------------------------|
| Bacteroides species     | $1 \times 10^{10}$ | CFU/g faeces |  | $1 \times 10^9 - 9 \times 10^{11}$ |
| Bifidobacterium species | $1 \times 10^9$    | CFU/g faeces |  | $1 \times 10^9 - 9 \times 10^{11}$ |
| Lactobacillus species   | $3 \times 10^6$    | CFU/g faeces |  | $1 \times 10^5 - 9 \times 10^7$    |
| Enterococcus species    | $5 \times 10^8$    | CFU/g faeces |  | $1 \times 10^6 - 9 \times 10^7$    |

Laboratoriets referenceværdier: 10-45

| Dato | 10.5.21 | 3.6.21 | 3.8.21 | 8.3.22 | 15.6..22 |
|------|---------|--------|--------|--------|----------|
| ALAT | 48      | 58     | 63     | 45     | 41       |

## Kilder:

Colitis ulcerosa kort startanbefaling

<http://dk4doktoren.dk/2013/08/07/colitis-ulcerosa-start-2>

Role and mechanisms of action of Escherichia coli Nissle 1917 in the maintenance of remission in ulcerative colitis patients: An update

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4917610/>

Escherichia coli strain Nissle 1917-from bench to bedside and back: history of a special Escherichia coli strain with probiotic properties

<https://pubmed.ncbi.nlm.nih.gov/27619890/>

The non-pathogenic Escherichia coli strain Nissle 1917 – features of a versatile probiotic

<https://www.tandfonline.com/doi/full/10.3109/08910600903444267>