




ANVAJO

Vet fluidlab 1

Helping Lucy

This is Lucy.



Lucy is a 16-year-old castrated feline, living in one of the villages in eastern Germany next to the city of Leipzig.

Lucy was brought to her vet's office by her owner Lena with symptoms of polyuria. After an initial examination, it was clear that Lucy's urine had to be analysed, as the causes of polyuria can be among others diabetes or severe kidney disease. Both diseases could be potentially dangerous for Lucy.

To get an overview of the severity of the potential disease, Lucy's urine was analysed with the vet fluidlab 1 in the veterinary practice. The results showed immediately a high count of red blood cells, white blood cells as well as a suspected presence of bacteria:

Parameter	Results
Red Blood Cells	263
White Blood Cells	299
Epithelial Cells	5-10
Non-Epithelial Cells	0-5
Struvites	10-20
Crystals	0-10
Bacteria	Suspected presence

The urine sample was then sent to an external laboratory for a bacteriological examination with germ determination and the creation of an antibiogram.

The diagnosis: Bacterial cystitis with struvite stone formation. Appropriate therapy with antibiotics, urinary acidification and analgesics was initiated by Lucy's veterinarian.

At the follow-up at the end of the therapy, the vet fluidlab 1 was used again. The values showed a significantly better result for the RBC and WBCs as well as no signs for bacteria:

Parameter	Results
Red Blood Cells	17
White Blood Cells	9
Epithelial Cells	0-5
Non-Epithelial Cells	0-5
Struvites	0-10
Crystals	0-10
Bacteria	Not suspected

Lucy's veterinarian decided to continue treatment for urinary acidification. Control examinations were made twice:

Parameter	Three weeks after first treatment	Two months after diagnosis
Red Blood Cells	16	10
White Blood Cells	5	4
Epithelial Cells	0-5	0-5
Non-Epithelial Cells	0-5	0-5
Struvites	0-10	0-10
Crystals	0-10	0-10
Bacteria	Not suspected	Not suspected

Lucy is currently considered cured and can continue her happy life with her pet owner Lena.

How did the vet fluidlab 1 support the diagnosis of the veterinary?

- Simple inhouse workflow
- Accurate results
- Immediate results for best treatment decisions
- Easy control examinations without the external laboratory

Who was Lucy's veterinarian?

A veterinarian from Leipzig in Germany with her own clinic since 1997. The clinic treats companion animal patients, such as feline, canine, small animals, turtles, and smaller birds. Their general focus is reproduction medicine and ultrasound (abdominal cavity, cardiology). The veterinarian uses both her own in-house laboratory, where vet fluidlab 1 is also used, and several external laboratories.