



anVAJO
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If you have any questions, please do not
hesitate to contact our support team.

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Dilution Guide

Urine Microscopy

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Urine Microscopy

Why is this document important?

The anvaajo vet fluidlab 1 uses digital holographic microscopy for its analyses. It can happen that there are so many particles in the urine that the reconstructed image is too highly concentrated for an accurate measurement. In this case, the instrument will automatically give an error message and the measurement would have to be repeated with a new sample carrier.

To minimize the risk of an overconcentrated sample, this document indicates the appearance of the urine at which a dilution is recommended. However, in rare cases macroscopic turbidity and microscopic density might not entirely match.

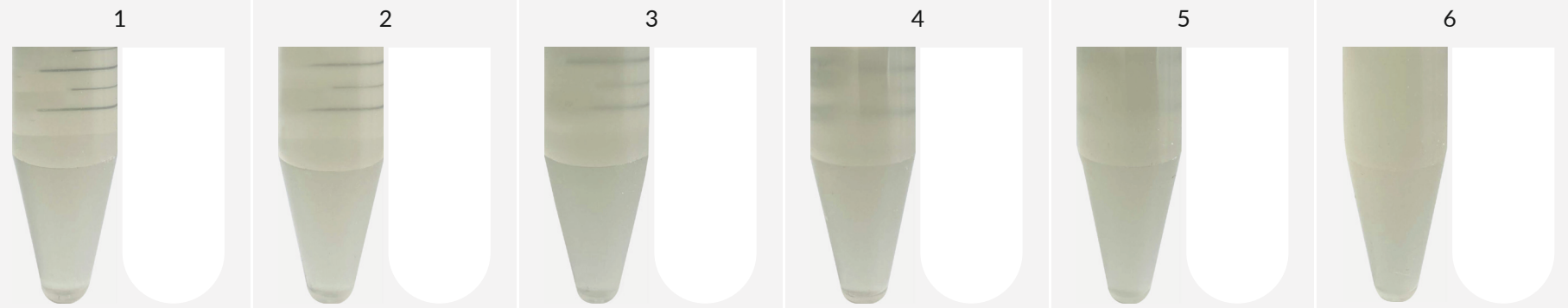
The table given on the right is intended as a guide to the possible dilution of a highly concentrated urine sample.

How to use this table.

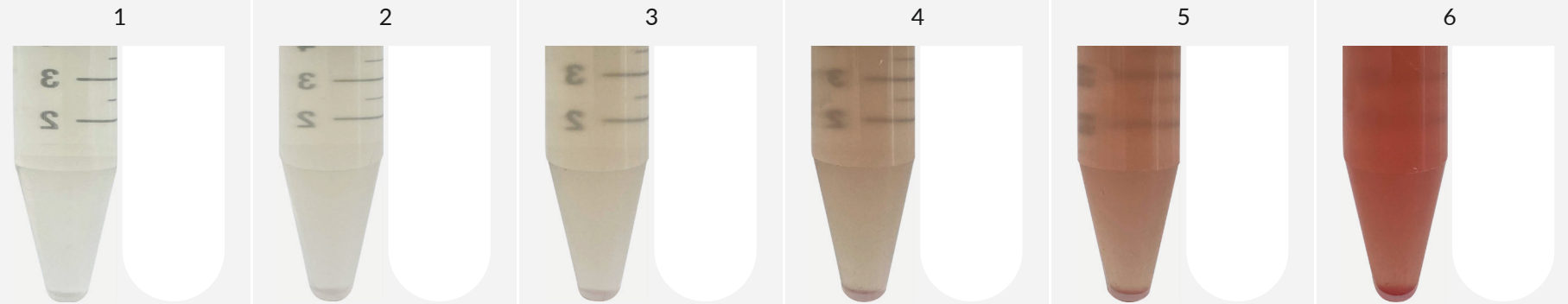
- If the urine is not already in a tube or syringe, please transfer it.
- Hold the tube next to the image on the back and compare both samples.
- If there is already a comparability with sample 4, a dilution of 1:2 with saline can be performed to shorten the measurement time, but is not mandatory.
- If the sample should be comparable with example 5 or 6, we recommend the corresponding dilution with normal saline.

You can find more information about this protocol on anvaajo.com

Turbid samples:



Bloody samples:



Approximate Measuring Time

< 5 min

5 - 6 min

6 - 7 min

8 - 9 min

12 - 13 min

Measurement not possible

Recommended dilution in normal saline

No dilution

No dilution

No dilution

No dilution or 1 : 2

1 : 5

1 : 10