

## Catalyst UPC Panel

# Quick Reference Guide

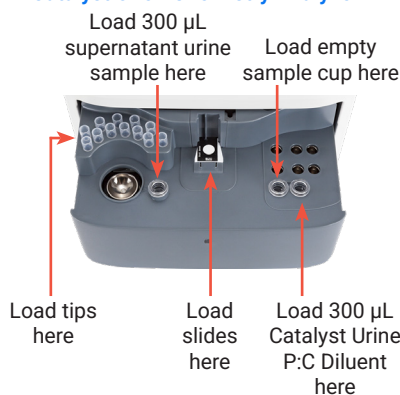
### Overview

To run a UPC panel on your Catalyst™ analyzer, you'll need:

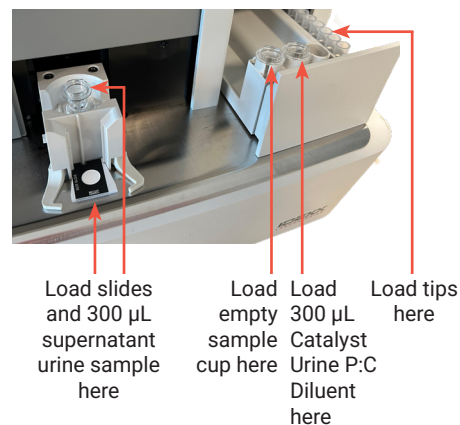
- + 300 µL of supernatant urine in a Catalyst™ Sample Cup  
**Note:** To achieve supernatant urine, the urine sample should be caught through cystocentesis (recommended), a catheter, or free-catch method and then centrifuged.
- + 1 Catalyst™ Urine Creatine (UCRE) slide
- + 1 Catalyst™ Urine Protein (UPRO) slide
- + 300 µL of Catalyst™ Urine P:C Diluent in a Catalyst Sample Cup
- + 1 empty Catalyst Sample Cup
- + Catalyst™ Pipette Tips

### Just load and go!

#### Catalyst One™ Chemistry Analyzer



#### Catalyst Dx™ Chemistry Analyzer



### Frequently asked questions

Question	Answer
Do I need to manually dilute the sample?	No. The Catalyst analyzer dilutes the sample automatically. Manual dilutions should only be performed in rare instances (for more information, see the information below).
How do I run a UPC panel on my Catalyst analyzer?	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>For the Catalyst One™ Chemistry Analyzer:</b></p> <ol style="list-style-type: none"> <li>1. Initiate the sample run on the IDEXX VetLab™ Station.</li> <li>2. On the Select Instruments screen, select <b>Catalyst One</b> and then select <b>Run UPC</b>. <b>Note:</b> Do not change the default automated dilution value (1:20).</li> <li>3. Load the materials (as shown in the images above) when prompted.</li> </ol> </div> <div style="width: 45%;"> <p><b>For the Catalyst Dx™ Chemistry Analyzer:</b></p> <ol style="list-style-type: none"> <li>1. Initiate the sample run on the IDEXX VetLab Station.</li> <li>2. On the Catalyst Dx touch screen, select <b>Urine</b> as the sample type, select the <b>UPC</b> special slides check box, and load the materials (as shown above) when prompted. <b>Note:</b> Do not change the default automated dilution value (1:20).</li> </ol> </div> </div>
How do I interpret the results?	<p>In instances where UPRO or UCRE fall outside the reportable range, the UPC ratio will be reported based on the medical significance of proteinuria present in your patient. When the UPC ratio is reported, a second run is not necessary unless an absolute value is desired.</p> <p>In rare instances, it may be necessary to dilute the urine sample when UPRO and UCRE are both greater than the dynamic range.</p>
What's the manual dilution protocol, when needed?	<p>To perform a 1:2 dilution on a urine sample for UPC ratios:</p> <ol style="list-style-type: none"> <li>1. Accurately measure one part urine (e.g., 100 µL) to be diluted and transfer it to a Catalyst Sample Cup.</li> <li>2. Accurately measure one part diluent (use the same volume as used for urine in step 1) and transfer it to the urine sample measured in step 1.</li> <li>3. Thoroughly mix the sample and diluent by aspirating and redispensing the combination into the Catalyst Sample Cup approximately 4–5 times.</li> <li>4. Run a new UPC panel on the Catalyst analyzer using the instructions in the <i>How do I run a UPC panel on my Catalyst analyzer</i> section above.</li> </ol>
Can a UPC panel be run with other Catalyst tests?	No, the UPC panel should not be run with other Catalyst tests.
Which species have been validated for the UPC panel and what are the numerical results?	<p>Canine and feline</p> <p><b>UCRE:</b> 6–350 mg/dL (U.S. units) / 0.06–3.50 g/L (SI/French units)</p> <p><b>UPRO:</b> 5–400 mg/dL (U.S. units) / 0.05–4.00 g/L (SI/French units)</p>