

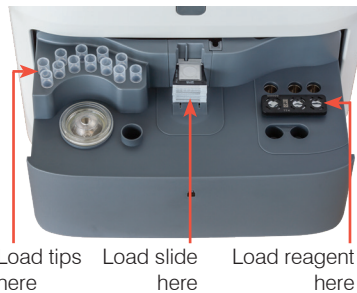
# Quick Reference Guide

## Storage and handling requirements

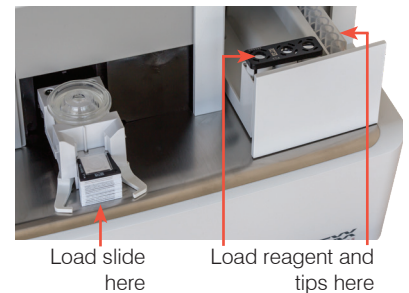
- Store in the refrigerator. Do not freeze.
- No warming required—run directly from the refrigerator.
- Total T<sub>4</sub> (TT<sub>4</sub>) slides and reagent can be stored in their pouch at room temperature for up to 8 hours. After 8 hours, store any unused materials in the refrigerator.
- Recommended sample volume:
  - Whole blood: 600–800  $\mu\text{L}$
  - Serum/plasma: 100  $\mu\text{L}$   
(65  $\mu\text{L}$  minimum; 300  $\mu\text{L}$  if running with other slides)

## Total T<sub>4</sub> made simple—load and go

Catalyst One\*



Catalyst Dx\*



## Frequently asked questions

Question	Answer									
Is the Catalyst* Total T <sub>4</sub> Test just a slide?	No, the Catalyst* Total T <sub>4</sub> Test contains a single slide and a reagent (conjugate, wash, and substrate). Both components must be run together for each sample run and then discarded.									
What sample types can be run on the total T <sub>4</sub> test?	Compatible sample types include serum, lithium heparin plasma, and whole blood using the Catalyst* Lithium Heparin Whole Blood Separator.									
Which species have been validated for the total T <sub>4</sub> test?	Canine and feline species are supported with total T <sub>4</sub> .									
Can the total T <sub>4</sub> test be run with other slides?	Yes! The total T <sub>4</sub> test can be run alone or with other slides as part of a comprehensive patient profile. For example, you could run a Catalyst* Lyte 4 CLIP, a Catalyst* Chem 17 CLIP, SDMA, and a total T <sub>4</sub> test with one patient sample.									
When running with other slides, should the total T <sub>4</sub> test be loaded in a particular order?	<ul style="list-style-type: none"> <li>• The TT<sub>4</sub> slide can be run in any order after electrolytes.</li> <li>• When running TT<sub>4</sub> with electrolyte slides, <b>always</b> load the electrolyte slides first.</li> <li>• For the <b>quickest</b> time to results for total T<sub>4</sub>, the recommended load order is Lyte 4 CLIP on the bottom, followed by a chemistry CLIP (e.g., Chem 17, Chem 10, etc.), SDMA, any additional slides, and TT<sub>4</sub> on top.</li> <li>• Be sure to load the drawer with pipette tips before every run. (The maximum number of slides per run is 25 slides.)</li> </ul>									
At what range will the total T <sub>4</sub> test report a numerical result?	<table border="1"> <thead> <tr> <th>Species</th> <th>U.S. Units</th> <th>S.I./French S.I. Units</th> </tr> </thead> <tbody> <tr> <td>Canine</td> <td>0.5–10.0 <math>\mu\text{g/dL}</math></td> <td>6.4–128.7 nmol/L</td> </tr> <tr> <td>Feline</td> <td>0.5–20.0 <math>\mu\text{g/dL}</math></td> <td>6.4–257.4 nmol/L</td> </tr> </tbody> </table>	Species	U.S. Units	S.I./French S.I. Units	Canine	0.5–10.0 $\mu\text{g/dL}$	6.4–128.7 nmol/L	Feline	0.5–20.0 $\mu\text{g/dL}$	6.4–257.4 nmol/L
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What is the run time for the total T <sub>4</sub> test?	Total T <sub>4</sub> test results are available in approximately 15 minutes after the start of the run.									
Is it okay to dilute samples that are undergoing total T <sub>4</sub> testing?	IDEXX does not support the use of diluted samples when running the Catalyst Total T <sub>4</sub> Test.									
How often can total T <sub>4</sub> tests be left at room temperature and then returned to the refrigerator?	Once at room temperature, total T <sub>4</sub> tests can be returned to the refrigerator up to 5 times as long as the foil pouch is unopened.									
What if a total T <sub>4</sub> test is accidentally frozen?	Any tests suspected of being frozen up to 8 hours should be allowed to thaw at room temperature for at least 30 minutes before use. Tests frozen for more than 8 hours, or multiple times, should be discarded.									
Which quality control should I use to monitor the performance of the total T <sub>4</sub> test?	VetTrol* Control is designed for use in monitoring the accuracy of the Catalyst Dx and Catalyst One analyzers. IDEXX also recommends monthly analyzer maintenance to ensure the accuracy of these analyzers.									