

# Catalyst Total T<sub>4</sub> 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.
- + Sample volume required:
  - Whole blood: 0.7 cc (700 µL)
  - Serum/plasma: 100 µL (65 µL minimum; 300 µL if running with other slides)

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

Catalyst One™



Load tips here    Load slide here    Load reagent here

Catalyst Dx™



Load slide here    Load reagent and tips here

## 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.									
Can the total T <sub>4</sub> test be run with other slides?	<b>Catalyst One Chemistry Analyzer:</b> Yes, Total T <sub>4</sub> can be run with all chemistry/electrolyte slides and/or CLIPs. <b>Catalyst Dx Chemistry Analyzer:</b> Total T <sub>4</sub> cannot be run with other slides that have a reagent.									
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 any other chemistry CLIP, any additional slides, and TT<sub>4</sub> on top.</li> </ul>									
Which species have been validated for the total T <sub>4</sub> test and what are the numerical results?	<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 µg/dL</td> <td>6.4–128.7 nmol/L</td> </tr> <tr> <td>Feline</td> <td>0.5–20.0 µg/dL</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 µg/dL	6.4–128.7 nmol/L	Feline	0.5–20.0 µg/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 ~17 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.									