

# Using the Catalyst\* Total T<sub>4</sub> Test



## 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  $\mu$ L
  - Serum/plasma: 65  $\mu$ L (300  $\mu$ L if running with other slides)

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

### Catalyst One\*



Load TT<sub>4</sub> slide here      Load reagent here

### Catalyst Dx\*



Load TT<sub>4</sub> slide here      Load reagent 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.									
What species can be run on 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, 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?	<p><b>Catalyst One:</b> When running total T<sub>4</sub> with other chemistry slides, the total T<sub>4</sub> slide can be loaded in any order.</p> <p><b>Catalyst Dx:</b> If there are 18 slides or less in the run, the total T<sub>4</sub> slide can be loaded in any order. For Catalyst Dx runs containing more than 18 slides, load the total T<sub>4</sub> slide last (on the top of the slide stack).</p> <p>For more information about the slide order for other chemistries, see the <i>Catalyst Chemistry Analyzer Operator's Guide</i>.</p>									
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</math>g/dL</td> <td>6.4–128.7 nmol/L</td> </tr> <tr> <td>Feline</td> <td>0.5–20.0 <math>\mu</math>g/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 $\mu$ g/dL	6.4–128.7 nmol/L	Feline	0.5–20.0 $\mu$ 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 should be allowed to thaw at room temperature for at least 30 minutes before use.									
Should I run quality control for total T <sub>4</sub> ?	Quality control is not required but is available through IDEXX Technical Support.									

For more information about running the Catalyst Total T<sub>4</sub> Test, consult the operator's guide for your Catalyst Dx\* Chemistry Analyzer or Catalyst One\* Chemistry Analyzer. For additional information, please contact IDEXX Technical Support.

### IDEXX Technical Support

U.S./Canada 1-800-248-2483

Europe 00800 1234 3399

Australia 1300 44 33 99

New Zealand 0800-102-084

Asia 0800-291-018