

# Catalyst One\*

Chemistry Analyzer

## Reference Guide



## Navigating the Analyzer



## Analyzer Status

LED Color	Description
Green (steady)	Analyzer is ready to process samples or perform maintenance tasks
Green (pulse)	Analyzer is in standby mode
Yellow (steady)	Analyzer is processing a sample or performing another activity
Yellow (pulse)	Analyzer is waiting for the user to begin processing a sample (after receiving the patient information from the IDEXX VetLab* Station)
Red (flashing)	An error has occurred (review alert messages on the IDEXX VetLab Station)

**Note:** You can also view the analyzer status by viewing its icon on the IDEXX VetLab Station Home screen.

## Compatible Species

Canine†	Lizard	Rabbit	Avian (budgerigar, cockatoos [grey cheek, Moluccan, umbrella], cockatiel, canary, conure, macaw [blue and gold, hyacinth, scarlet], parrots [Amazon blue, Amazon yellow, eclectus, African grey])
Feline†	Llama	Rat	
Equine†	Monkey	Sea Turtles	
Bovine (beef cattle, dairy cow)	Mouse	Sheep	
Ferret	Other	Snake	
Goat	Pig	Tortoise	

†Species- and life stage-specific intervals are available for these species.

# Analyzing a Sample

**1** Prepare the sample. For detailed instructions, see the *Preparing Samples For Use on IDEXX Catalyst\* Chemistry Analyzers* poster.

Sample Type	Sample Volume Required
Whole blood	0.7 cc (700 $\mu$ L)
Serum, plasma, or urine	Varies depending on the number of slides being run. (300 $\mu$ L is the recommended sample volume when running a Chem 17 CLIP and electrolytes.)



Fill to the lowest line on the separator



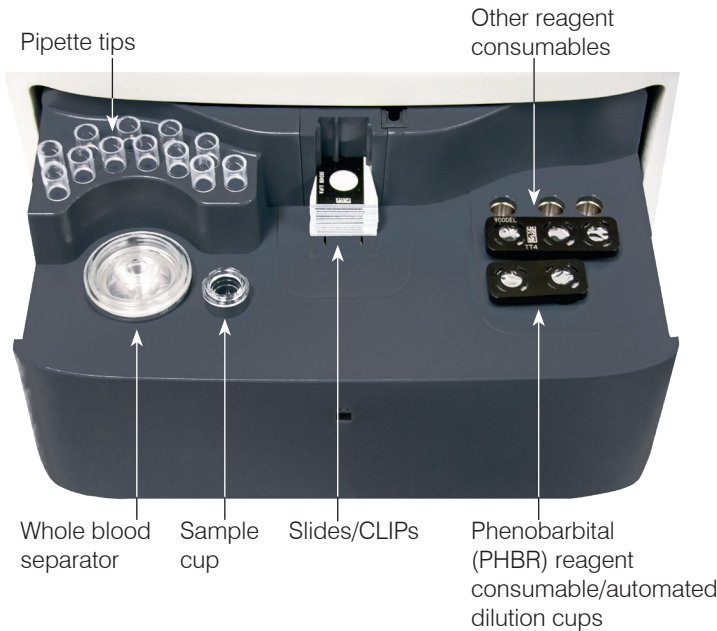
**2** Initiate the run on the IDEXX VetLab Station.



Catalyst One icon

**3** Load the sample, slides, pipette tips, and any other necessary materials in the sample drawer, as shown above.  
**Note:** Do not load a whole blood separator AND a sample cup for a single run.

**4** Close the sample drawer and press the Start button on the analyzer.



Start button

## Advanced Testing and Other Work Flows

For detailed instructions on running quality control, cleaning the internal components of the analyzer monthly, or running automated dilutions and UPC, see the on-screen instructions provided on the IDEXX VetLab Station touch screen.

# Catalyst CLIPs and Slides



Chemistry	Abbreviation	Chem 17 CLIP	Chem 15 CLIP	Chem 10 CLIP	Equine 15 CLIP	NSAID 6 CLIP	UPC Panel <sup>†</sup>	Lyte 4 CLIP	SDMA and TT <sub>4</sub> Kit	QC CLIP	Individual Slides
Albumin	ALB	✓	✓	✓	✓					✓	✓
Alkaline phosphatase	ALKP	✓	✓	✓	✓	✓				✓	✓
Alanine aminotransferase	ALT	✓	✓	✓		✓				✓	✓
Amylase	AMYL	✓									✓
Aspartate aminotransferase	AST				✓	✓					✓
Bile acids	BA										✓
Blood urea nitrogen	BUN	✓	✓	✓	✓	✓					✓
Calcium	Ca	✓	✓		✓					✓	✓
Cholesterol	CHOL	✓	✓								✓
Creatine kinase	CK				✓						✓
Creatinine	CREA	✓	✓	✓	✓	✓					✓
Chloride	Cl							✓			
C-reactive protein <sup>‡</sup>	CRP										✓
Fructosamine <sup>‡</sup>	FRU										✓
Gamma-glutamyltransferase	GGT	✓	✓		✓						✓
Glucose	GLU	✓	✓	✓	✓					✓	✓
Potassium	K							✓			
Lactate	LAC										✓
Lactate dehydrogenase	LDH				✓						✓
Lipase	LIPA	✓									✓
Magnesium	Mg										✓
Sodium	Na							✓			
Ammonia	NH <sub>3</sub>									✓	✓
Phenobarbital <sup>†</sup>	PHBR										✓
Inorganic phosphate	PHOS	✓	✓								✓
Progesterone	PROG										✓
Symmetric dimethylarginine <sup>‡</sup>	SDMA								✓		✓
Total bilirubin	TBIL	✓	✓		✓						✓
Total protein	TP	✓	✓	✓	✓						✓
Total T <sub>4</sub> <sup>†</sup>	TT <sub>4</sub>								✓		✓
Triglycerides	TRIG										✓
Urine creatinine	UCRE						✓				
Urine protein	UPRO						✓				
Uric acid	URIC										✓

<sup>†</sup>Validated reference intervals for equine and “other” species are unavailable.

<sup>‡</sup>Validated reference intervals for feline, equine, and “other” species are unavailable.