

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 μ L)
Serum, plasma, or urine	Varies depending on the number of slides being run. (300 μ 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.

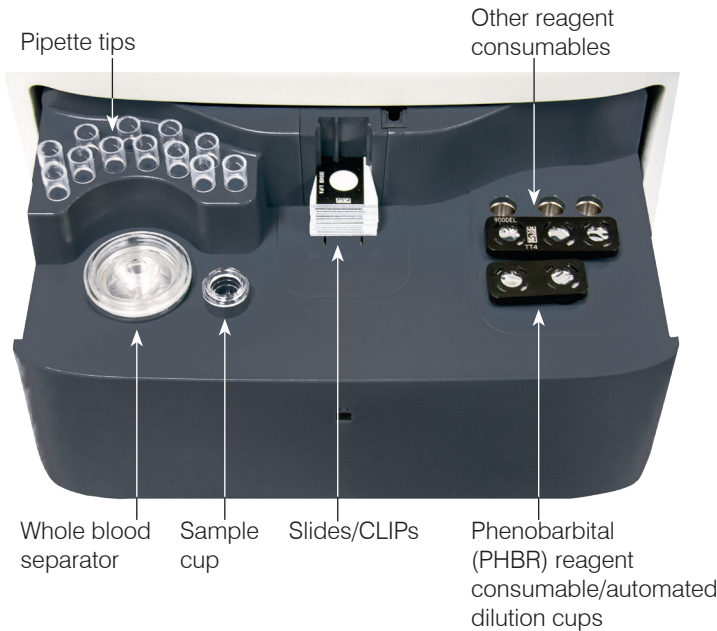


Catalyst One icon

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 [†]	Lyte 4 CLIP	SDMA and TT ₄ 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 [‡]	CRP										✓
Fructosamine [‡]	FRU										✓
Gamma-glutamyltransferase	GGT	✓	✓		✓						✓
Glucose	GLU	✓	✓	✓	✓					✓	✓
Potassium	K							✓			
Lactate	LAC										✓
Lactate dehydrogenase	LDH				✓						✓
Lipase	LIPA	✓									✓
Magnesium	Mg										✓
Sodium	Na							✓			
Ammonia	NH ₃									✓	✓
Phenobarbital [†]	PHBR										✓
Inorganic phosphate	PHOS	✓	✓								✓
Progesterone	PROG										✓
Symmetric dimethylarginine [‡]	SDMA								✓		✓
Total bilirubin	TBIL	✓	✓		✓						✓
Total protein	TP	✓	✓	✓	✓						✓
Total T ₄ [†]	TT ₄								✓		✓
Triglycerides	TRIG										✓
Urine creatinine	UCRE						✓				
Urine protein	UPRO						✓				
Uric acid	URIC										✓

[†]Validated reference intervals for equine and “other” species are unavailable.

[‡]Validated reference intervals for feline, equine, and “other” species are unavailable.