

KOVA® Liqua-Trol™ Level II (Normal with hCG) Urinalysis Control

KOVA* Liqua-Trol**		Lot No: K301253		Expiration Date: 2017-12					
CONSTITUENT	REAGENT TEST STRIP RESULTS ¹								
	SIEMENS REAGENT STRIP ^a							IRIS REAGENT STRIP ^g	
	Visual	Clinitek®50	Clinitek®STATUS	Clinitek® 100	Clinitek® 500 / Advantus	Clinitek®Atlas			iChem® VELOCITY™
pH	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0			6.0 - 7.0
Protein	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Glucose	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Ketones	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Bilirubin	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Blood (hemoglobin)	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Nitrite	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Urobilinogen	0.2 -1 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL			Normal
Specific Gravity	1.005 - 1.015	≤ 1.005 - 1.015	≤ 1.005 - 1.025	≤ 1.005 - 1.020	≤ 1.005 - 1.015	≤ 1.005 - 1.015 ³			1.000 - 1.010 ³
Leukocyte Esterase	Negative	Negative	Negative	Negative	Negative	Negative			Negative
Microalbumin	N/A	≤ 10 mg/L ²	≤ 10 mg/L ²	≤ 10 mg/L ²	N/A	N/A			N/A
Creatinine	100 - 300 mg/dL	100 - 300 mg/dL ²	100 - 300 mg/dL ²	100 - 300 mg/dL ²	100 - 300 mg/dL	N/A			N/A
Ascorbic Acid	N/A	N/A	N/A	N/A	N/A	N/A			Negative

PHYSICAL CHARACTERISTICS

Property	Value Range	Method
Appearance	Clear	Visual
Color	Yellow - Green	Visual
Specific Gravity	1.003 - 1.007	Refractometer (Room Temp.)
pH	6.0 - 7.0	pH meter

ALTERNATIVE TESTS

Constituent/Method	Value Range
Glucose/Clinitest ^c (5 drop)	Negative
Bilirubin/Ictotest ^a	Negative
Ketone/Acetest ^c	Negative
Protein/Sulfosalicylic Acid (3%)	
Qualitative	Negative

PREGNANCY TESTING

Method	Result
Beckman Coulter ICON® 20 hCG ^e	Positive
Quidel QuickVue® hCG ^f	Positive
Siemens Clinitest® hCG ^a	Positive

Note: Other manufacturers’ methods will work and should be confirmed by the laboratory.

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CONSTITUENT	REAGENT TEST STRIP RESULTS ¹											
	ROCHE REAGENT STRIP ^b								BIOSYS ^d Optima II UriScan™ YD Diagnostics PSS® Select			
	Combur-Test® Visual	Chemstrip® Visual	Chemstrip Criterion II™	Chemstrip® UA	URISYS 1800™	URISYS 1100™	Cobas® U 411	URISYS® 2400				
pH	6 - 7	6 - 7	6 - 7	6.0 - 7.0	6 - 7	6 - 7	6 - 7	6 - 7	5.5 - 7.0			
Protein	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative			
Glucose	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Negative			
Ketones	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative			
Bilirubin	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative			
Blood (hemoglobin)	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative			
Nitrite	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative			
Urobilinogen	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal			
Specific Gravity	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015 ³	≤ 1.005 - 1.020			
Leukocyte Esterase	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative			
Microalbumin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Creatinine	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

1. Methodology changes or variability in reagent strip lots can influence Liqua-Trol recoveries. It is recommended that the values listed here be used as guidelines until the laboratory has established its own quality control ranges.
2. Creatinine and microalbumin values are assigned with Siemens Microalbumin strips on the Clinitek 50, STATUS, and 100 only.
3. Value assigned with normal system settings at .005 increments.

- a Siemens Medical Solutions Diagnostics
- b Roche Diagnostics
- c Bayer HealthCare LLC
- d BioSys Laboratories Inc.
- e Beckman Coulter Inc.
- f Quidel Corporation
- g Iris Diagnostics

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