



KOVA Liqua-Trol® with Microscopies

Level I (Abnormal) Urinalysis Control						
KOVA Liqua-Trol	Lot No: K306996				Expiration Date: 2026-11-30	
CONSTITUENT	REAGENT TEST STRIP RESULTS ¹					
	UNAMAX		UNAMAX LITE		UNAMAX ONE	
	Conventional	Plus	Conventional	Plus	Conventional	Plus
Glucose	50 - ≥1000 mg/dL	± - +4	5 - ≥1000 mg/dL	± - +4	5 - ≥1000 mg/dL	± - +4
Protein	15 - ≥300 mg/dL	± - +3	15 - ≥300 mg/dL	± - +3	15 - ≥300 mg/dL	± - +3
Bilirubin	0.5 - 6.0 mg/dL	+1 - +3	0.5 - 6.0 mg/dL	+1 - +3	0.5 - 6.0 mg/dL	+1 - +3
Urobilinogen	2.0 - ≥8.0 mg/dL	+1 - +3	2.0 - ≥8.0 mg/dL	+1 - +3	2.0 - ≥8.0 mg/dL	+1 - +3
pH	7.0 - 8.0	7.0 - 8.0	7.0 - 8.0	7.0 - 8.0	7.0 - 8.0	7.0 - 8.0
Specific Gravity	1.010 - 1.025	1.010 - 1.025	1.010 - 1.020	1.010 - 1.020	1.010 - 1.020	1.010 - 1.020
Blood (hemoglobin)	0.03 - 0.6 mg/dL	± - +3	0.03 - 0.6 mg/dL	± - +3	0.03 - 0.6 mg/dL	± - +3
Ketones	5 - ≥80 mg/dL	± - +3	5 - ≥80 mg/dL	± - +3	5 - ≥80 mg/dL	± - +3
Nitrite	Positive	+	Positive	+	Positive	+
Leukocyte Esterase	15 - 500 leu/uL	± - +3	15 - 500 leu/uL	± - +3	15 - 500 leu/uL	± - +3
Ascorbic Acid	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-
Calcium	20 - ≥40 mg/dL	20 - ≥40 mg/dL	20 - ≥40 mg/dL	20 - ≥40 mg/dL	20 - ≥40 mg/dL	20 - ≥40 mg/dL
Microalbumin	3 - ≥15 mg/dL	3 - ≥15 mg/dL	3 - ≥15 mg/dL	3 - ≥15 mg/dL	3 - ≥15 mg/dL	3 - ≥15 mg/dL
Creatinine	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL
ACR	30 - >300 mg/g	30 - >300 mg/g	30-300 - >300 mg/g	30-300 - >300 mg/g	30-300 - >300 mg/g	30-300 - >300 mg/g
PCR	0.15 - >0.5 g/g	0.15 - >0.5 g/g	N/A	N/A	N/A	N/A
UNAMAX PHYSICAL CHARACTERISTICS						
Turbidity	Clear					
Color	Yellow, Red, Brown					
Specific Gravity	1.015 – 1.030					
Conductivity	N/A					
Osmolality	N/A					



KOVA Liqua-Trol® with Microscopies

Level II (Normal) Urinalysis Control

KOVA Liqua-Trol		Lot No: K307117		Expiration Date: 2026-11-30			
		REAGENT TEST STRIP RESULTS ¹					
CONSTITUENT	UNAMAX		UNAMAX LITE		UNAMAX ONE		
	Conventional	Plus	Conventional	Plus	Conventional	Plus	
Glucose	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Protein	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Bilirubin	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Urobilinogen	Normal	-	Normal	-	Normal	-	
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	
Specific Gravity	1.005 - 1.020	1.005 - 1.020	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	
Blood (hemoglobin)	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Ketones	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Nitrite	Negative	-	Negative	-	Negative	-	
Leukocyte Esterase	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Ascorbic Acid	0 mg/dL	-	0 mg/dL	-	0 mg/dL	-	
Calcium	≤4.0 - 10 mg/dL	≤4.0 - 10 mg/dL	≤4.0 - 10 mg/dL	≤4.0 - 10 mg/dL	≤4.0 - 10 mg/dL	≤4.0 - 10 mg/dL	
Microalbumin	≤1 mg/dL	≤1 mg/dL	≤1 mg/dL	≤1 mg/dL	≤1 mg/dL	≤1 mg/dL	
Creatinine	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	
ACR	Dilute - Normal	Dilute - Normal	<30 mg/g	<30 mg/g	<30 mg/g	<30 mg/g	
PCR	Dilute - Normal	Dilute - Normal	N/A	N/A	N/A	N/A	
UNAMAX PHYSICAL CHARACTERISTICS							
Turbidity	Clear						
Color	Light Yellow						
Specific Gravity	≤1.005 - 1.015						
Conductivity	N/A						
Osmolality	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.

NOTE: Particulate may form during storage. Gently swirl the control before use to assure good mixing and resuspension of the microscopic constituents.

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