

KOVA-Trol® I High Abnormal with Urobilinogen Value Sheet

Product Description: KOVA-Trol I High Abnormal with Urobilinogen
 Material Number: Kits 87334 (4 x 15 mL), 87332 (4 x 60 mL) and 87533 (8 x 60 mL)

The representative ranges are determined statistically based on historical data and periodically verified with representative batches tested on the specified method.

Siemens Urinalysis Strip Testing							McKesson
Analyte	Multistix Visual	Clinitek 50	Clinitek 100	Clinitek Status/Status +	Clinitek Advantus	Clinitek Novus	
pH	7.0 - 8.0	6.5 - 8.5	7.0 - 8.5	6.5 - 8.5	6.5 - 8.5	6.5 - 8.0	6.5 - 8.5
Protein	100 - ≥2000 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥300 mg/dL	100 - ≥1000 mg/dL	100 - 300 mg/dL
Glucose	250 - 2000 mg/dL	500 - ≥1000 mg/dL	500 - ≥1000 mg/dL	250 - ≥1000 mg/dL	500 - ≥1000 mg/dL	250 - ≥1000 mg/dL	250 - 1000 mg/dL
Ketones	15 - 160 mg/dL	15 - ≥80 mg/dL	15 - ≥80 mg/dL	40 - ≥160 mg/dL	15 - ≥80 mg/dL	15 - ≥160 mg/dL	15 - 80 mg/dL
Bilirubin	2 + - 3 +	Moderate - Large	Moderate - Large	Moderate - Large	Moderate - Large	Moderate - Large	1 - 4 mg/dL
Blood (hemoglobin)	2 + - 3 +	Small - Large	Moderate - Large	Moderate - Large	Moderate - Large	Small - Large	80 - 200 Ery/μL
Nitrite	Positive	Positive	Positive	Positive	Positive	Positive	Positive
Urobilinogen	4 - 8 EU/dL	4.0 - ≥8.0 EU/dL	4.0 - ≥8.0 EU/dL	4.0 - ≥8.0 EU/dL	4.0 - ≥8.0 EU/dL	1.0 - ≥8.0 EU/dL	2 - 8 mg/dL
Specific Gravity	1.010 - 1.025	1.010 - 1.025	1.015 - 1.030	1.010 - 1.030	1.010 - 1.025	1.005 - 1.025	1.010 - 1.020
Leukocyte Esterase	1 + - 3 +	Moderate - Large	Small - Large	Small - Large	Small - Large	Moderate - Large	125 - 500 Leu/μL
Microalbumin	N/A	80 - 150 mg/L	80 - 150 mg/L	30 - 150 mg/L	N/A	30 - 150 mg/L	N/A
Creatinine	50 - 300 mg/dL	50 - 300 mg/dL	50 - 300 mg/dL	50 - 300 mg/dL	50 - 300 mg/dL	50 - 300 mg/dL	N/A
A : C	N/A	30 - 300 mg/g Abnormal - > 300 mg/g High Abnormal			N/A	150 - ≥300 mg/g	N/A

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Roche Urinalysis Strip Testing							
Analyte	Combur Visual	Chemstrip Visual	Chemstrip Criterion II	Urisys 1800	Urisys 1100	Cobas U411	Cobas U601
pH	7-8	7-8	7-8	7-8	7-8	7-8	7-8
Protein	100 - 500 mg/dL	100 - 500 mg/dL	100 - 500 mg/dL	150 - 500 mg/dL	100 - 500 mg/dL	100 - 500 mg/dL	100 - 500 mg/dL
Glucose	300 - 1000 mg/dL	500 - 1000 mg/dL	250 - 1000 mg/dL	300 - 1000 mg/dL	250 - >1000 mg/dL	250 - >1000 mg/dL	250 - 1000 mg/dL
Ketones	1 + - 3 +	1 + - 3 +	15 - 150 mg/dL	50 - 150 mg/dL	15 - 150 mg/dL	15 - 150 mg/dL	15 - 150 mg/dL
Bilirubin	2 + - 3 +	2 + - 3 +	3 - 6 mg/dL	3 - 6 mg/dL	3 - 6 mg/dL	3 - 6 mg/dL	3 - 6 mg/dL
Blood (hemoglobin)	50 - 250 Ery/μL	50 - 250 Ery/μL	150 - 250 Ery/μL	150 - 250 Ery/μL	50 - 250 Ery/μL	150 - 250 Ery/μL	150 - 250 Ery/μL
Nitrite	Positive	Positive	Positive	Positive	Positive	Positive	Positive
Urobilinogen	4 - 12 mg/dL	4 - 12 mg/dL	8 - 12 mg/dL	8 - 12 mg/dL	8 - ≥12 mg/dL	8 - 12 mg/dL	8 - 12 mg/dL
Specific Gravity	1.005 - 1.020	1.005 - 1.020	1.005 - 1.020	1.005 - 1.020	1.005 - 1.020	1.005 - 1.020	1.010 - 1.020
Leukocyte Esterase	10 - 25 - 500 Leu/μL	1 + - 2 +	100 - 500 Leu/μL	100 - 500 Leu/μL	75 - 500 Leu/μL	100 - 500 Leu/μL	100 - 500 Leu/μL

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The representative ranges presented below are confirmed for each batch

Physical and Microscopic Characteristics		
Marker	Method	Range
Specific Gravity	Refractometer (digital)	1.015 - $\geq$ 1.030
Osmolality	Osmometer	200 - 600 mOsm/kg
pH	pH Meter	6.5 - 8.5
Appearance	Visual	Clear - slightly cloudy
Color	Visual	Amber
RBC Mean Cell Count	Microscopy	$\geq$ 15 cells/hpf*
WBC Mean Cell Count	Microscopy	$\geq$ 15 cells/hpf*
Crystals	Microscopy	Present
Casts	Microscopy	<1

* Cells per high power field as measured using 10X eyepiece/40X objective

Pregnancy Testing		
Marker	Method	Range
hCG	Quidel QuickVue hCG Urine Test	Negative