



## GLOSSARY

### ANALYTES

Bilirubin  
Blood  
Casts  
Clarity  
Color  
Creatinine  
Crystals  
Glucose  
hCG (also described as Pregnancy)  
Ketones  
Leukocytes  
Microalbumin  
Nitrite  
Osmolality  
pH  
Protein, Total  
Protein-to-Creatinine Ratio  
Red Blood Cells (RBC)  
Specific Gravity  
Urobilinogen  
White Blood Cells (WBC)

### TERMS

Abnormal  
Absent  
Amber  
Brown  
Cells  
Clear  
Cloudy  
Colorless  
Dark Brown  
Dark Yellow  
Freezing Point Depression  
Hazy  
Large  
Light Yellow  
Magnification  
Manufacturer Method  
Mean  
Moderate  
N/A (Not Applicable)  
Negative  
Normal  
Occasionally present  
Pale Yellow  
Positive  
Present  
Range  
Red  
Refractometer  
Small  
Straw  
Trace  
Turbid  
Units  
Yellow

# CHEMICAL ANALYSIS

## ACON MISSION / U120 / U500 URINE ANALYZERS

Bilirubin	Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood	Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose	Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones	Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes	Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite	Negative	Positive
pH	5.0 – 7.0	6.0 – 8.0
Protein, Total	Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity	1.005 – 1.025	1.005 – 1.025
Urobilinogen	0.2 mg/dL (3.5 µmol/L)	2 – 8 mg/dL (35 – 140 µmol/L) (1+ – 3+)

## ACON MISSION URINALYSIS REAGENT STRIPS (VISUAL) (1)

Bilirubin	Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood	Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose	Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones	Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes	Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite	Negative	Positive
pH	5.0 – 7.0	6.0 – 8.0
Protein, Total	Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity	1.005 – 1.025	1.005 – 1.025
Urobilinogen	0.2 mg/dL (3.5 µmol/L)	2 – 12 mg/dL (35 – 200 µmol/L) (1+ – 4+)

## ARKRAY AUTION STICKS 9EB / AUTION MAX AX-4030 / AX-4280 ANALYZERS / URIFLET S 9HA / HYBRID AU-4050 ANALYZER

Bilirubin	Negative	2.0 – ≥10.0 mg/dL (2+ – 4+)
Blood	Negative	0.06 – ≥1.0 mg/dL (1+ – 3+)
Glucose	Normal	150 – ≥1000 mg/dL (2+ – 4+)
Ketones	Negative	10 – ≥150 mg/dL (1+ – 4+)
Leukocytes	Negative	75 – 500 Leu/µL
Nitrite	Negative	1+ – 2+
pH	5.5 – 6.5	6.5 – 8.0
Protein, Total	Negative	30 – 600 mg/dL (1+ – 3+)
Specific Gravity	1.005 – 1.020	1.010 – 1.025
Urobilinogen	Normal	2.0 – ≥12 mg/dL (1+ – 3+)

## ARKRAY AUTION STICKS 10EA / AUTION-11 (AE-4022) ANALYZER

Bilirubin	Negative	2.0 – ≥10.0 mg/dL (2+ – 4+)
Blood	Negative	0.06 – ≥1.0 mg/dL (1+ – 3+)
Glucose	Negative	150 – ≥1000 mg/dL (2+ – 4+)
Ketones	Negative	10 – ≥150 mg/dL (1+ – 4+)
Leukocytes	Negative	75 – 500 Leu/µL
Nitrite	Negative	1+ – 2+
pH	5.5 – 7.0	6.5 – 8.0
Protein, Total	Negative	30 – 600 mg/dL (1+ – 3+)
Specific Gravity	1.005 – 1.020	1.005 – 1.020
Urobilinogen	Normal	2.0 – ≥12 mg/dL (1+ – 3+)

## BECKMAN COULTER ICON 20 HCG

hCG	Negative	Positive
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## CLARITY UROCHECK 10SG / UROCHECK 120 URINE ANALYZER

Bilirubin	Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood	Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose	Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones	Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes	Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite	Negative	Positive
pH	5.0 – 7.0	6.0 – 8.0
Protein, Total	Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity	1.005 – 1.025	1.005 – 1.025
Urobilinogen	0.2 mg/dL (3.5 µmol/L)	2 – 8 mg/dL (35 – 140 µmol/L) (1+ – 3+)

## CLARITY UROCHECK 10SG URINE REAGENT STRIPS (VISUAL) (1)

Bilirubin	Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood	Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose	Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones	Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes	Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite	Negative	Positive
pH	5.0 – 7.0	6.0 – 8.0
Protein, Total	Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity	1.005 – 1.025	1.005 – 1.025
Urobilinogen	0.2 mg/dL (3.5 µmol/L)	2 – 12 mg/dL (35 – 200 µmol/L) (1+ – 4+)

## DFI CYBOW REAGENT STRIPS / DFI CYBOW READER 300 / DFI CYBOW READER 720

Bilirubin	Negative	Small – Large (1+ – 3+)
Blood	Negative	10 – 250 RBC/µL (1+ – 3+)
Glucose	Negative	50 – 2000 mg/dL (2.8 – 111 mmol/L)
Ketones	Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (Trace – 2+)
Leukocytes	Negative	15 – 500 WBC/µL (Trace – 3+)
Nitrite	Negative	Positive
pH	5.0 – 6.5	6.0 – 9.0
Protein, Total	Negative	15 – 300 mg/dL (0.15 – 3.0 g/L) (Trace – 3+)
Specific Gravity	1.005 – 1.025	1.010 – 1.025
Urobilinogen	Normal (0.1 – 1 mg/dL) (1.6 – 16 µmol/L)	2 – 8 mg/dL (33 – 131 µmol/L)

## DFI CYBOW SERIES URINE REAGENT STRIPS (VISUAL)

Bilirubin	Negative	Small – Large (1+ – 3+)
Blood	Negative	10 – 250 RBC/µL (1+ – 3+)

Manufacturer/Method	Analyte	Level 1 – 87721	Level 2 – 87722
<b>DFI CYBOW SERIES URINE REAGENT STRIPS (VISUAL) (continued)</b>			
Glucose		Negative	50 – 2000 mg/dL (2.8 – 111 mmol/L)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (Trace – 2+)
Leukocytes		Negative	15 – 500 WBC/ $\mu$ L (Trace – 3+)
Nitrite		Negative	Positive
pH		5.0 – 6.5	6.0 – 9.0
Protein, Total		Negative	15 – 300 mg/dL (0.15 – 3.0 g/L) (Trace – 3+)
Specific Gravity		1.005 – 1.025	1.010 – 1.025
Urobilinogen		Normal (0.1 – 1 mg/dL) (1.6 – 16 $\mu$ mol/L)	2 – 8 mg/dL (33 – 131 $\mu$ mol/L)
<b>EKF DIAGNOSTICS (STANBIO LABORATORY) URI-CHEK 10SG URINALYSIS REAGENT STRIPS / URI-TRAK 120 URINE ANALYZER</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/ $\mu$ L (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) ( $\pm$ – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) ( $\pm$ – 2+)
Leukocytes		Negative	70 – 500 Leu/ $\mu$ L (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 $\mu$ mol/L)	2 – 8 mg/dL (35 – 140 $\mu$ mol/L) (1+ – 3+)
<b>EKF DIAGNOSTICS (STANBIO LABORATORY) URI-CHEK 10SG URINALYSIS REAGENT STRIPS (VISUAL) (1)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/ $\mu$ L (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) ( $\pm$ – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) ( $\pm$ – 2+)
Leukocytes		Negative	70 – 500 Leu/ $\mu$ L (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 $\mu$ mol/L)	2 – 12 mg/dL (35 – 200 $\mu$ mol/L) (1+ – 4+)
<b>FISHERBRAND 10SG URINE REAGENT STRIPS / AIMSTRIP URINE AUTO ANALYZER / CT-120 URINE ANALYZER</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/ $\mu$ L (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) ( $\pm$ – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) ( $\pm$ – 2+)
Leukocytes		Negative	70 – 500 Leu/ $\mu$ L (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 $\mu$ mol/L)	2 – 8 mg/dL (35 – 140 $\mu$ mol/L) (1+ – 3+)
<b>FISHERBRAND 10SG URINE REAGENT STRIPS (VISUAL) (1)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/ $\mu$ L (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) ( $\pm$ – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) ( $\pm$ – 2+)
Leukocytes		Negative	70 – 500 Leu/ $\mu$ L (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 $\mu$ mol/L)	2 – 12 mg/dL (35 – 200 $\mu$ mol/L) (1+ – 4+)
<b>GERMAINE LABORATORIES AIMSTRIP 10-SG URINALYSIS REAGENT STRIP / AIMSTRIP URINE ANALYZER / CT-120 URINE ANALYZER / AIMSTRIP URINE AUTO ANALYZER</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/ $\mu$ L (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) ( $\pm$ – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) ( $\pm$ – 2+)
Leukocytes		Negative	70 – 500 Leu/ $\mu$ L (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 $\mu$ mol/L)	2 – 8 mg/dL (35 – 140 $\mu$ mol/L) (1+ – 3+)
<b>GERMAINE LABORATORIES AIMSTRIP 10-SG URINALYSIS REAGENT STRIP (VISUAL) (1)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/ $\mu$ L (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) ( $\pm$ – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) ( $\pm$ – 2+)
Leukocytes		Negative	70 – 500 Leu/ $\mu$ L (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 $\mu$ mol/L)	2 – 12 mg/dL (35 – 200 $\mu$ mol/L) (1+ – 4+)
<b>GERMAINE LABORATORIES AIMTAB KETONE TABLETS</b>			
Ketones		Negative	Small – Large
<b>GERMAINE LABORATORIES AIMTAB BILIRUBIN TABLETS</b>			
Bilirubin		Negative	Positive
<b>HCG, OTHER PREGNANCY KIT (2)</b>			
hCG		Negative	Positive
<b>HENRY SCHEIN URISPEC 11-WAY REAGENT STRIP ANALYZER / VISUAL</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 $\mu$ mol/L) (1+ – 3+)
Blood		Negative – 10 Ery/ $\mu$ L	10 – 250 Ery/ $\mu$ L

Manufacturer/Method	Analyte	Level 1 – 87721	Level 2 – 87722
<b>HENRY SCHEIN URISPEC 11-WAY REAGENT STRIP ANALYZER / VISUAL (continued)</b>			
Glucose		Negative – Normal	150 – 1000 mg/dL (8.3 – 56 mmol/L)
Ketones		Negative	25 – 300 mg/dL (2.5 – 30 mmol/L) (1+ – 3+)
Leukocytes		Negative	25 – 500 Leu/µL
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 500 mg/dL (0.3 – 5.0 g/L)
Specific Gravity		1.005 – 1.020	1.005 – 1.025
Urobilinogen		Normal	2 – 12 mg/dL (34 – 200 µmol/L)
<b>IRIS DIAGNOSTICS IQ200 URINALYSIS SYSTEM / ARKRAY AUTION STICKS 9EB / ARKRAY AUTION MAX AX-4280 ANALYZER</b>			
Bilirubin		Negative	2.0 – ≥10.0 mg/dL (2+ – 4+)
Blood		Negative	0.06 – ≥1.0 mg/dL (1+ – 3+)
Glucose		Normal	150 – ≥1000 mg/dL (2+ – 4+)
Ketones		Negative	10 – ≥150 mg/dL (1+ – 4+)
Leukocytes		Negative	75 – 500 Leu/µL
Nitrite		Negative	1+ – 2+
pH		5.5 – 6.5	6.5 – 8.0
Protein, Total		Negative	30 – 600 mg/dL (1+ – 3+)
Specific Gravity		1.005 – 1.020	1.010 – 1.025
Urobilinogen		Normal	2.0 – ≥12 mg/dL (1+ – 3+)
<b>IRIS DIAGNOSTICS ICHEMVELOCITY STRIPS REF 800-7212 / ICHEMVELOCITY AUTOMATED STRIP READER (1)</b>			
Bilirubin (3)		Negative	Negative – 4 mg/dL (34 – 70 µmol/L) (1+ – 2+)
Blood		Negative	0.2 – ≥1.0 mg/dL (2.0 – ≥10.0 mg/L) (2+ – 3+)
Glucose		Normal	150 – ≥500 mg/dL (8.3 – ≥28 mmol/L) (2+ – 3+)
Ketones		Negative	5 – 80 mg/dL (0.5 – 8 mmol/L) (Trace – 2+)
Leukocytes (3)		Negative	Negative
Nitrite		Negative	Positive
pH		5 – 7	6 – 8
Protein, Total		Negative	30 – ≥500 mg/dL (0.3 – ≥5.0 g/L) (1+ – 3+)
Specific Gravity		1.010 – 1.020	1.015 – 1.030
Urobilinogen		Normal	2.0 – 4.0 mg/dL (34 – 70 µmol/L) (1+ – 2+)
<b>JANT PHARMACAL ACCUSTRIIP URS 10 (CATALOG NO. UA870) ANALYZER / VISUAL (1)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	ca. 10 – 250 Ery/µL
Glucose		Negative – Normal	150 – 1000 mg/dL (8.3 – 55.5 mmol/L)
Ketones		Negative	25 – 300 mg/dL (2.5 – 30 mmol/L) (1+ – 3+)
Leukocytes		Negative	ca. 25 – 500 Leu/µL
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 500 mg/dL (0.3 – 5.0 g/L)
Specific Gravity		1.005 – 1.020	1.005 – 1.025
Urobilinogen		Normal	2 – 12 mg/dL (34 – 200 µmol/L)
<b>LUMIRATEK / U120 / U500 URINE ANALYZERS</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes		Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 µmol/L)	2 – 8 mg/dL (35 – 140 µmol/L) (1+ – 3+)
<b>MACHERY-NAGEL MEDI-TEST COMBI 10 SGL (VISUAL)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	10 – 250 Ery/µL
Glucose		Negative – Normal	150 – 1000 mg/dL (8.3 – 55.5 mmol/L)
Ketones		Negative	25 – 300 mg/dL (2.5 – 30 mmol/L) (1+ – 3+)
Leukocytes		Negative	25 – 500 Leu/µL
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 500 mg/dL (0.3 – 5.0 g/L)
Specific Gravity		1.005 – 1.020	1.005 – 1.025
Urobilinogen		Normal	2 – 12 mg/dL (34 – 200 µmol/L)
<b>MACHERY-NAGEL MEDI-TEST COMBI 11 / ANALYZER / VISUAL</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative – 10 Ery/µL	10 – 250 Ery/µL
Glucose		Negative – Normal	150 – 1000 mg/dL (8.3 – 56 mmol/L)
Ketones		Negative	25 – 300 mg/dL (2.5 – 30 mmol/L) (1+ – 3+)
Leukocytes		Negative	25 – 500 Leu/µL
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 500 mg/dL (0.3 – 5.0 g/L)
Specific Gravity		1.005 – 1.020	1.005 – 1.025
Urobilinogen		Normal	2 – 12 mg/dL (34 – 200 µmol/L)
<b>MACHERY-NAGEL MEDI-TEST URYXXON STICK 10 WITH URYXXON 300 / 500 / URYXXON RELAX ANALYZERS</b>			
Bilirubin		Negative	1 – 6 mg/dL (17 – 100 µmol/L) (1+ – 3+)
Blood		Negative	10 – 250 Ery/µL
Glucose		Negative – Normal	150 – 1000 mg/dL (8.3 – 56 mmol/L)
Ketones		Negative	5 – 300 mg/dL (0.5 – 30 mmol/L) (1+ – 3+)
Leukocytes		Negative	15 – 500 Leu/µL
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	25 – 500 mg/dL (0.25 – 5.0 g/L)
Specific Gravity		1.005 – 1.020	1.005 – 1.025
Urobilinogen		Normal	1 – 12 mg/dL (17 – 200 µmol/L)

Manufacturer/Method	Analyte	Level 1 – 87721	Level 2 – 87722
<b>MCKESSON CONSULT 10SG URINE REAGENT STRIPS / MCKESSON U120 URINE STRIP ANALYZER</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes		Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 µmol/L)	2 – 8 mg/dL (35 – 140 µmol/L) (1+ – 3+)
<b>MCKESSON CONSULT 10SG URINE REAGENT STRIPS (VISUAL) (1)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes		Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 µmol/L)	2 – 12 mg/dL (35 – 200 µmol/L) (1+ – 4+)
<b>PROADVANTAGE URINE REAGENT STRIPS 10 PARAMETER / PROADVANTAGE U120 URINE ANALYZER</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes		Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 300 mg/dL (0.3 – 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 µmol/L)	2 – 8 mg/dL (35 – 140 µmol/L) (1+ – 3+)
<b>PROADVANTAGE URINE REAGENT STRIPS 10 PARAMETER (VISUAL) (1)</b>			
Bilirubin		Negative	1 – 4 mg/dL (17 – 70 µmol/L) (1+ – 3+)
Blood		Negative	25 – 200 Ery/µL (1+ – 3+)
Glucose		Negative	100 – 1000 mg/dL (5 – 60 mmol/L) (± – 3+)
Ketones		Negative	5 – 40 mg/dL (0.5 – 4.0 mmol/L) (± – 2+)
Leukocytes		Negative	70 – 500 Leu/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	30 – 2000 mg/dL (0.3 – 20 g/L) (1+ – 4+)
Specific Gravity		1.005 – 1.025	1.005 – 1.025
Urobilinogen		0.2 mg/dL (3.5 µmol/L)	2 – 12 mg/dL (35 – 200 µmol/L) (1+ – 4+)
<b>QUIDEL QUICKVUE ONE-STEP HCG (1)</b>			
hCG		Negative	Positive
<b>ROCHE CHEMSTRIP 10 URINE TEST STRIPS (VISUAL) (1) (4)</b>			
Bilirubin		Negative	++ – +++
Blood		Negative	50 – 250 Ery/µL
Glucose		Normal	250 – 1000 mg/dL (14 – 56 mmol/L)
Ketones		Negative	++ – +++ (Mod. – Large)
Leukocytes		Negative	Trace – ++
Nitrite		Negative	Positive
pH		5 – 7	6 – 8
Protein, Total		Negative	100 – 500 mg/dL (10 – 50 g/L) (1+ – 4+)
Specific Gravity		1.005 – 1.015	1.000 – 1.015
Urobilinogen		Normal	8 – 12 mg/dL
<b>ROCHE CHEMSTRIP 101 / URILUX S ANALYZERS (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 µmol/L) (2+ – 3+)
Blood		Negative	50 – 250 Ery/µL (2+ – 3+)
Glucose		Normal	250 – >1000 mg/dL (14 – >56 mmol/L)
Ketones		Negative	15 – 150 mg/dL (1.5 – 15 mmol/L) (1+ – 3+)
Leukocytes		Negative	75 – 500 Leu/µL (1+ – 2+)
Nitrite		Negative	Positive
pH		5 – 7	7 – 8
Protein, Total		Negative	100 – 500 mg/dL (1.0 – 5.0 g/L) (2+ – 3+)
Specific Gravity		1.000 – 1.020	1.000 – 1.020
Urobilinogen		Normal	8 – ≥12 mg/dL (135 – ≥203 µmol/L) (3+ – 4+)
<b>ROCHE CHEMSTRIP CRITERION ANALYZER (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 µmol/L) (2+ – 3+)
Blood		Negative	150 – 250 Ery/µL (3+ – 4+)
Glucose		Normal	250 – 1000 mg/dL (14 – 56 mmol/L) (2+ – 3+)
Ketones		Negative	50 – 150 mg/dL (5.0 – 15 mmol/L) (2+ – 3+)
Leukocytes		Negative	100 – 500 Leu/µL
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	100 – 500 mg/dL (1.0 – 5.0 g/L) (2+ – 3+)
Specific Gravity		1.005 – 1.020	1.000 – 1.020
Urobilinogen		Normal	8 – 12 mg/dL (135 – 203 µmol/L) (3+ – 4+)
<b>ROCHE CHEMSTRIP MICRAL (VISUAL) (4)</b>			
Microalbumin		Negative	50 – 100 mg/L
<b>ROCHE CHEMSTRIP MIDITRON JUNIOR ANALYZER (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 µmol/L) (2+ – 3+)
Blood		Negative	150 – 250 Ery/µL (4+ – 5+)
Glucose		Normal	300 – 1000 mg/dL (18 – 56 mmol/L) (3+ – 4+)

Manufacturer/Method	Analyte	Level 1 – 87721	Level 2 – 87722
<b>ROCHE CHEMSTRIP MIDITRON JUNIOR ANALYZER (4) (continued)</b>			
Ketones		Negative	50 – 150 mg/dL (5.0 – 15 mmol/L) (3+ – 4+)
Leukocytes		Negative	100 – 500 Leu/ $\mu$ L (2+ – 3+)
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	150 – 500 mg/dL (1.5 – 5.0 g/L) (3+ – 4+)
Specific Gravity		1.005 – 1.020	1.000 – 1.020
Urobilinogen		Normal	8 – 12 mg/dL (135 – 203 $\mu$ mol/L) (3+ – 4+)
<b>ROCHE CHEMSTRIP UA / MIDITRON M ANALYZERS (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 $\mu$ mol/L) (2+ – 3+)
Blood		Negative	150 – 250 Ery/ $\mu$ L
Glucose		Normal	100 – 1000 mg/dL (6 – 56 mmol/L) (1+ – 3+)
Ketones		Negative	50 – 150 mg/dL (5 – 15 mmol/L) (2+ – 3+)
Leukocytes		Negative	100 – 500 Leu/ $\mu$ L (1+ – 2+)
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	100 – 500 mg/dL (1.0 – 5.0 g/L) (2+ – 3+)
Specific Gravity		1.000 – 1.015	1.000 – 1.020
Urobilinogen		Normal	8 – 12 mg/dL (135 – 203 $\mu$ mol/L) (2+ – 3+)
<b>ROCHE COBAS U 411 ANALYZER (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 $\mu$ mol/L) (2+ – 3+)
Blood		Negative	150 – 250 Ery/ $\mu$ L (4+ – 5+)
Glucose		Normal	250 – 1000 mg/dL (14 – 56 mmol/L) (3+ – 4+)
Ketones		Negative	50 – 150 mg/dL (5 – 15 mmol/L) (3+ – 4+)
Leukocytes		Negative	100 – 500 Leu/ $\mu$ L (2+ – 3+)
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	100 – 500 mg/dL (1.0 – 5.0 g/L) (3+ – 4+)
Specific Gravity		1.005 – 1.020	1.000 – 1.020
Urobilinogen		Normal	8 – 12 mg/dL (135 – 203 $\mu$ mol/L) (3+ – 4+)
<b>ROCHE COBAS U PACK CASSETTE / COBAS U 601 ANALYZER</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 $\mu$ mol/L) (2+ – 3+)
Blood		Negative	150 – 250 Ery/ $\mu$ L (4+ – 5+)
Glucose		Normal	250 – 1000 mg/dL (15 – 56 mmol/L) (3+ – 4+)
Ketones		Negative	50 – 150 mg/dL (5 – 15 mmol/L) (3+ – 4+)
Leukocytes		Negative	100 – 500 Leu/ $\mu$ L (2+ – 3+)
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	100 – 500 mg/dL (1 – 5 g/L) (3+ – 4+)
Specific Gravity		1.007 – 1.018	1.017 – 1.028
Urobilinogen		Normal	8 – 12 mg/dL (135 – 203 $\mu$ mol/L) (3+ – 4+)
<b>ROCHE URISYS 1100 ANALYZER (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 $\mu$ mol/L) (2+ – 3+)
Blood		Negative	50 – 250 Ery/ $\mu$ L (1+ – 2+)
Glucose		Normal	250 – >1000 mg/dL (14 – >56 mmol/L) (2+ – 3+)
Ketones		Negative	15 – 150 mg/dL (1.5 – 15 mmol/L) (1+ – 3+)
Leukocytes		Negative	75 – 500 Leu/ $\mu$ L (1+ – 2+)
Nitrite		Negative	Positive
pH		5 – 7	6.5 – 8
Protein, Total		Negative	100 – 500 mg/dL (1.0 – 5.0 g/L) (2+ – 3+)
Specific Gravity		1.000 – 1.020	1.000 – 1.020
Urobilinogen		Normal	8 – $\geq$ 12 mg/dL (135 – $\geq$ 203 $\mu$ mol/L) (3+ – 4+)
<b>ROCHE URISYS 1800 ANALYZER (4)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 $\mu$ mol/L) (2+ – 3+)
Blood		Negative	150 – 250 Ery/ $\mu$ L (4+ – 5+)
Glucose		Normal	250 – 1000 mg/dL (14 – 56 mmol/L) (3+ – 4+)
Ketones		Negative	50 – 150 mg/dL (5 – 15 mmol/L) (3+ – 4+)
Leukocytes		Negative	100 – 500 Leu/ $\mu$ L (2+ – 3+)
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	100 – 500 mg/dL (1.0 – 5.0 g/L) (3+ – 4+)
Specific Gravity		1.005 – 1.020	1.000 – 1.020
Urobilinogen		Normal	8 – 12 mg/dL (135 – 203 $\mu$ mol/L) (3+ – 4+)
<b>ROCHE URISYS 2400 CASSETTE / URISYS 2400 ANALYZER (1)</b>			
Bilirubin		Negative	3 – 6 mg/dL (50 – 100 $\mu$ mol/L)
Blood		Negative	150 – 250 Ery/ $\mu$ L
Glucose		Normal	300 – 1000 mg/dL (17 – 56 mmol/L)
Ketones		Negative	50 – 150 mg/dL (5 – 15 mmol/L)
Leukocytes		Negative	100 – 500 Leu/ $\mu$ L
Nitrite		Negative	Positive
pH		5 – 6.5	7 – 8
Protein, Total		Negative	150 – 500 mg/dL (1.5 – 5.0 g/L)
Specific Gravity		1.007 – 1.017	1.016 – 1.026
Urobilinogen		Normal	8 – 12 mg/dL (135 – 200 $\mu$ mol/L)
<b>SIEMENS MULTISTIX 10 SG / SIEMENS CLINITEK 500 / CLINITEK ADVANTUS</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Glucose		Negative	250 – $\geq$ 1000 mg/dL (14 – $\geq$ 55 mmol/L) (1+ – 3+)
Ketones		Negative	Trace – $\geq$ 80 mg/dL (Trace – $\geq$ 7.8 mmol/L) (Trace – 3+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Nitrite		Negative	Positive
pH		5.5 – 6.5	6.5 – 8.0
Protein, Total		Negative	100 – $\geq$ 300 mg/dL (1.0 – $\geq$ 3.0 g/L) (2+ – 3+)
Specific Gravity		$\leq$ 1.005 – 1.025	1.010 – 1.025
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	4.0 – $\geq$ 8.0 EU/dL (66 – $\geq$ 131 $\mu$ mol/L)

Manufacturer/Method	Analyte	Level 1 – 87721	Level 2 – 87722
<b>SIEMENS MULTISTIX 10 SG / SIEMENS CLINITEK ATLAS</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Glucose		Negative	250 – $\geq$ 1000 mg/dL (14 – $\geq$ 55 mmol/L) (1+ – 3+)
Ketones		Negative	40 – $\geq$ 160 mg/dL (3.9 – $\geq$ 15.6 mmol/L) (2+ – 4+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Nitrite		Negative	Positive
pH		5.5 – 6.5	6.5 – 7.5
Protein, Total		Negative	100 – $\geq$ 300 mg/dL (1.0 – $\geq$ 3.0 g/L) (2+ – 3+)
Specific Gravity		1.010 – 1.020	1.015 – $>$ 1.030
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	1.0 – $\geq$ 8.0 EU/dL (16 – $\geq$ 131 $\mu$ mol/L)
<b>SIEMENS CLINITEK MICROALBUMIN (SIEMENS CLINITEK 50 / CLINITEK STATUS)</b>			
Creatinine		50 – 200 mg/dL (4.4 – 17.7 mmol/L)	100 – 300 mg/dL (8.8 – 26.5 mmol/L)
Microalbumin		$\leq$ 10 – 30 mg/L	80 – $\geq$ 150 mg/L
Protein-to-Creatinine Ratio		Normal	Abnormal
<b>SIEMENS MULTISTIX 10 SG / PRO / SIEMENS CLINITEK STATUS (SOFTWARE VERSION 1.9 OR EARLIER)</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Creatinine		50 – 200 mg/dL (4.4 – 17.7 mmol/L)	100 – 300 mg/dL (8.8 – 26.5 mmol/L)
Glucose		Negative	250 – $\geq$ 1000 mg/dL (14 – $\geq$ 55 mmol/L) (1+ – 3+)
hCG		Negative	Positive
Ketones		Negative	15 – $\geq$ 160 mg/dL (1.5 – $\geq$ 15.6 mmol/L) (1+ – 4+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Microalbumin		10 – 30 mg/L	80 – 150 mg/L
Nitrite		Negative	Positive
pH		5.5 – 6.5	6.5 – 8.0
Protein, Total		Negative	100 – $\geq$ 300 mg/dL (1.0 – $\geq$ 3.0 g/L) (2+ – 3+)
Protein-to-Creatinine Ratio		Normal	Abnormal
Specific Gravity		$\leq$ 1.005 – 1.025	1.010 – 1.025
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	4.0 – $\geq$ 8.0 EU/dL (66 – $\geq$ 131 $\mu$ mol/L)
<b>SIEMENS ICTOTEST</b>			
Bilirubin		Negative	Positive
<b>SIEMENS MULTISTIX 10 SG / PRO (VISUAL) (1)</b>			
Bilirubin		Negative	Moderate – Large (++ – +++)
Blood		Negative	Moderate – Large (++ – +++)
Glucose		Negative	250 – 2000 mg/dL
Ketones		Negative	Small – Large (15 – 160 mg/dL)
Leukocytes		Negative	Small – Large (+ – +++)
Nitrite		Negative	Positive
pH		5.0 – 7.0	7.0 – 8.0
Protein, Total		Negative	100 – 2000 mg/dL (10 – +++)
Specific Gravity		1.005 – 1.025	1.010 – $\geq$ 1.030
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	2.0 – 8.0 EU/dL (33 – 131 $\mu$ mol/L)
<b>SULFOSALICYLIC ACID (3%)</b>			
Protein, Total (3)		Negative	Positive
<b>TECO DIAGNOSTICS URS-10 STRIP / URITEK TC-101 ANALYZER</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Glucose		Negative	500 – 1000 mg/dL (30 – 60 mmol/L) (2+ – 3+)
Ketones		Negative	Trace – 40 mg/dL (Trace – 4.0 mmol/L) (Trace – 2+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 6.0	6.0 – 7.5
Protein, Total		Negative	30 – $\geq$ 300 mg/dL (0.3 – $\geq$ 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.025	1.010 – 1.020
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	4.0 – $\geq$ 8.0 EU/dL (64 – $\geq$ 128 $\mu$ mol/L)
<b>TECO DIAGNOSTICS URS-10 STRIP / URITEK TC-201 ANALYZER</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Glucose		Negative	500 – 1000 mg/dL (30 – 60 mmol/L) (2+ – 3+)
Ketones		Negative	Trace – 40 mg/dL (Trace – 4.0 mmol/L) (Trace – 2+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 6.5	6.0 – 7.5
Protein, Total		Negative	30 – $\geq$ 300 mg/dL (0.3 – $\geq$ 3.0 g/L) (1+ – 3+)
Specific Gravity		1.005 – 1.020	1.010 – 1.020
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	4.0 – $\geq$ 8.0 EU/dL (64 – $\geq$ 128 $\mu$ mol/L)
<b>TECO DIAGNOSTICS URS-10 STRIP / URITEK TC-720+ ANALYZER</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Glucose		Negative	500 – 1000 mg/dL (30 – 60 mmol/L) (2+ – 3+)
Ketones		Negative	Trace – 40 mg/dL (Trace – 4.0 mmol/L) (Trace – 2+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 7.5
Protein, Total		Negative	Trace – 30 mg/dL (Trace – 0.3 g/L) (Trace – 1+)
Specific Gravity		1.005 – 1.015	1.010 – 1.025
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 $\mu$ mol/L)	4.0 – $\geq$ 8.0 EU/dL (64 – $\geq$ 128 $\mu$ mol/L)
<b>TECO DIAGNOSTICS URS-10 (VISUAL) (1)</b>			
Bilirubin		Negative	Moderate – Large (2+ – 3+)
Blood		Negative	Moderate – Large (ca. 80 – 200 Ery/ $\mu$ L) (2+ – 3+)
Glucose		Negative	500 – 1000 mg/dL (30 – 60 mmol/L) (2+ – 3+)
Ketones		Negative	15 – 80 mg/dL (1.5 – 8.0 mmol/L) (1+ – 3+)
Leukocytes		Negative	Small – Large (ca. 70 – 500 Leu/ $\mu$ L) (1+ – 3+)
Nitrite		Negative	Positive



Manufacturer/Method	Analyte	Level 1 – 87721	Level 2 – 87722
<b>TECO DIAGNOSTICS URS-10 (VISUAL) (1) (continued)</b>			
pH		5.0 – 6.5	6.0 – 8.0
Protein, Total (3)		Negative	100 – ≥300 mg/dL (1.0 – ≥3.0 g/L) (2+ – 3+)
Specific Gravity		1.005 – 1.020	1.010 – 1.020
Urobilinogen		0.2 – 1.0 EU/dL (3.2 – 16 µmol/L)	4.0 – ≥8.0 EU/dL (64 – ≥128 µmol/L)
<b>YD URISCAN PRO / PRO+ / OPTIMA / OPTIMA+</b>			
Bilirubin		Negative	1.0 – 3.0 mg/dL (17 – 50 µmol/L) (2+ – 3+)
Blood		Negative	50 – 250 RBC/µL (2+ – 3+)
Glucose		Negative	250 – 2000 mg/dL (14 – 111 mmol/L) (1+ – 4+)
Ketones		Negative	5 – 50 mg/dL (0.5 – 5 mmol/L) (± – 2+)
Leukocytes		Negative	25 – 500 WBC/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 7.5
Protein, Total		Negative	100 – 1000 mg/dL (2+ – 4+)
Specific Gravity		1.010 – 1.025	1.010 – ≥1.030
Urobilinogen		Normal (0.1–1.0 mg/dL) (1.6 – 16 µmol/L)	8 – 12 mg/dL (131 – 197 µmol/L) (3+ – 4+)
<b>YD URISCAN PRO II / OPTIMA II</b>			
Bilirubin		Negative	1.0 – 3.0 mg/dL (17 – 50 µmol/L) (2+ – 3+)
Blood		Negative	50 – 250 RBC/µL (2+ – 3+)
Glucose		Negative	250 – 2000 mg/dL (14 – 111 mmol/L) (1+ – 4+)
Ketones		Negative	5 – 50 mg/dL (0.5 – 5 mmol/L) (± – 2+)
Leukocytes		Negative	25 – 500 WBC/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 6.5	6.0 – 7.5
Protein, Total		Negative	100 – 1000 mg/dL (2+ – 4+)
Specific Gravity		≤1.005 – 1.025	1.010 – ≥1.030
Urobilinogen		Normal (0.1–1.0 mg/dL) (1.6 – 16 µmol/L)	8 – 12 mg/dL (131 – 197 µmol/L) (3+ – 4+)
<b>YD URISCAN REAGENT STRIPS (VISUAL)</b>			
Bilirubin		Negative	1.0 – 3.0 mg/dL (17 – 50 µmol/L) (2+ – 3+)
Blood		Negative	50 – 250 RBC/µL (2+ – 3+)
Glucose		Negative	500 – 2000 mg/dL (28 – 111 mmol/L) (2+ – 4+)
Ketones		Negative	5 – 50 mg/dL (0.5 – 5 mmol/L) (± – 2+)
Leukocytes		Negative	10 – 75 WBC/µL (± – 2+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.0 – 8.0
Protein, Total		Negative	100 – 1000 mg/dL (2+ – 4+)
Specific Gravity		1.005 – 1.020	1.010 – ≥1.030
Urobilinogen		Normal (0.1–1.0 mg/dL) (1.6 – 16 µmol/L)	8 – 12 mg/dL (131 – 197 µmol/L) (3+ – 4+)
<b>YD URISCAN S-300 ANALYZER</b>			
Bilirubin		Negative	1.0 – 3.0 mg/dL (17 – 50 µmol/L) (2+ – 3+)
Blood		Negative	50 – 250 RBC/µL (2+ – 3+)
Glucose		Negative	100 – 500 mg/dL (5.5 – 28 mmol/L) (± – 2+)
Ketones		Negative	Negative (5)
Leukocytes		Negative	25 – 500 WBC/µL (1+ – 3+)
Nitrite		Negative	Positive
pH		5.0 – 7.0	6.5 – 8.0
Protein, Total		Negative	100 – 1000 mg/dL (2+ – 4+)
Specific Gravity		1.010 – 1.025	≤1.005 – 1.020
Urobilinogen		Normal (0.1–1.0 mg/dL) (1.6 – 16 µmol/L)	8 – 12 mg/dL (131 – 197 µmol/L) (3+ – 4+)

## MICROSCOPIC ANALYSIS (6)

Manufacturer/Method	Analyte	Magnification	Level 1 – 87721	Level 2 – 87722	Units	Level 1 – 87721	Level 2 – 87722
<b>RED BLOOD CELLS (RBC)</b>							
ARKRAY Hybrid AU-4050	Cells/hpf (7)		0 – 10	25 – 100	Cells/ $\mu$ L	0 – 40	200 – 500
IRIS Diagnostics IQ200 Series	Cells/hpf (7)		0 – 15	10 – 65	Cells/ $\mu$ L	0 – 83	56 – 361
KOVA System (8)	Cells/hpf (7)		0 – 10	10 – >100	Cells/hpf (7)	0 – 10	10 – >100
Sediment / Slide & Coverslip	Cells/hpf (7)		0 – 10	10 – >100	Cells/hpf (7)	0 – 10	10 – >100
Sysmex UF-50/100/1000	Cells/hpf (7)		0 – 15	55 – 110	Cells/ $\mu$ L	0 – 83	306 – 611
Sysmex UF-5000	Cells/hpf (7)		0 – 7	52 – 92	Cells/ $\mu$ L	0 – 40	290 – 510
<b>WHITE BLOOD CELLS (WBC)</b>							
ARKRAY Hybrid AU-4050	Cells/hpf (7)		0 – 10	10 – 25	Cells/ $\mu$ L	0 – 50	50 – 125
IRIS Diagnostics IQ200 Series	Cells/hpf (7)		0 – 10	15 – 85	Cells/ $\mu$ L	0 – 56	83 – 472
KOVA System (8)	Cells/hpf (7)		0 – 5	5 – 65	Cells/hpf (7)	0 – 5	5 – 65
Sediment / Slide & Coverslip	Cells/hpf (7)		0 – 5	5 – 60	Cells/hpf (7)	0 – 5	5 – 60
Sysmex UF-50/100/1000	Cells/hpf (7)		0 – 5	10 – 30	Cells/ $\mu$ L	0 – 28	56 – 167
Sysmex UF-5000	Cells/hpf (7)		0 – 1	0 – 2	Cells/ $\mu$ L	0 – 5	0 – 10
<b>CASTS</b>							
ARKRAY Hybrid AU-4050	lpf (7)		Absent	Absent – Occasionally Present	lpf (7)	Absent	Absent – Occasionally Present
IRIS Diagnostics IQ200 Series	lpf (7)		Absent	Absent – Occasionally Present	lpf (7)	Absent	Absent – Occasionally Present
KOVA System (8)	lpf (7)		Absent	Absent – Occasionally Present	lpf (7)	Absent	Absent – Occasionally Present
Sediment / Slide & Coverslip	lpf (7)		Absent	Absent – Occasionally Present	lpf (7)	Absent	Absent – Occasionally Present
Sysmex UF-50/100/1000	lpf (7)		Absent – Occasionally Present	Absent – Occasionally Present	lpf (7)	Absent – Occasionally Present	Absent – Occasionally Present
Sysmex UF-5000	Casts/ $\mu$ L		Absent	Absent	Casts/ $\mu$ L	Absent	Absent
<b>CRYSTALS (9)</b>							
ARKRAY Hybrid AU-4050	lpf (7)		Absent	Present (10)	lpf (7)	Absent	Present (10)
IRIS Diagnostics IQ200 Series	lpf/hpf (7)		Absent	Absent – Occasionally Present (10)	lpf/hpf (7)	Absent	Absent – Occasionally Present (10)
KOVA System (8)	lpf (7)		Absent	Absent – Occasionally Present (10)	lpf (7)	Absent	Absent – Occasionally Present (10)
Sediment / Slide & Coverslip	lpf (7)		Absent	Absent – Occasionally Present (10)	lpf (7)	Absent	Absent – Occasionally Present (10)
Sysmex UF-50/100/1000	lpf (7)		Absent – Occasionally Present	Present (10)	lpf (7)	Absent – Occasionally Present	Present (10)
Sysmex UF-5000	hpf (7)		Absent	Absent – Present (10)	hpf (7)	Absent	Absent – Present (10)

## OTHER PROPERTIES

	Level 1 – 87721	Level 2 – 87722
<b>COLOR</b>		
ARKRAY Aution Max AX-4280	Yellow – Light Yellow	Dark Yellow – Dark Brown
ARKRAY Aution Max AX-4030	Yellow – Light Yellow	Dark Yellow – Dark Brown
ARKRAY Hybrid AU-4050	Yellow – Light Yellow	Dark Yellow – Dark Brown
ARKRAY Aution-11 (AE-4022)	Colorless	Dark Brown
ROCHE cobas u 601	Pale Yellow – Amber	Brown
Siemens Clinitek Atlas	Yellow – Straw	Dark Yellow – Red
Visual	Pale Yellow – Light Yellow – Yellow – Straw	Amber – Dark Yellow – Red – Brown
<b>CLARITY</b>		
ARKRAY Aution Max AX-4280	Negative	1+ – 2+
ARKRAY Aution Max AX-4030	Negative	1+ – 2+
ARKRAY Hybrid AU-4050	Negative	1+ – 2+
ROCHE cobas u 601	Clear	Clear
Siemens Clinitek Atlas	Clear – Cloudy	Clear – Cloudy – Turbid
Visual	Clear	Clear – Hazy – Cloudy

## PHYSICAL PROPERTIES

	Units	Level 1 - 87721		Level 2 - 87722		SI	Level 1 - 87721		Level 2 - 87722	
		Mean	Range	Mean	Range		Mean	Range	Mean	Range
<b>Osmolality</b>										
Freezing Point Depression	mOsm/kg	454	431 – 476	741	704 – 778	mmol/kg	454	431 – 476	741	704 – 778
<b>Specific Gravity</b>										
Refractometer		1.013	1.010 – 1.015	1.022	1.017 – 1.026		1.013	1.010 – 1.015	1.022	1.017 – 1.026

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## FOOTNOTES

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### ENGLISH

- (1) Atypical color may be observed with some analytes. Results based on reaction intensities.
- (2) Other test kits with sensitivities of  $\geq 10$  mIU/mL.
- (3) Atypical color observed.
- (4) Roche recommends dipping the strips rather than using dispenser tips.
- (5) Reaction is positive visually. Instrument reading is negative due to atypical color.
- (6) Bacteria may be present upon microscopic analysis. No claims are made for expected values or stability.
- (7) lpf = low power field;  
hpf = high power field.
- (8) Results were obtained by following the manufacturer's instructions for the KOVA System for Standardized Urinalysis.
- (9) Due to the human urine matrix, this product may also contain other common urinary crystals and debris for which no claims are made for expected performance or stability.
- (10) This product contains Cystine crystals.
  - § The data required to establish the means and acceptable ranges for this assay were not obtained due to limited assignment participation. If your facility is interested in participating in the Value Assignment Program for this assay, please contact your local Bio-Rad office.
  - ❖ INTERNATIONAL USE ONLY - The following section contains data for methods that are not available for diagnostic use in the United States.

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