

# HUMAN

Target Values

## BioRad Liquicheck™ Urinalysis Control

[REF] 435 Bilevel 12x12ml (6 per level)

436 Level 1 12x12ml

437 Level 2 12x12ml

435X Bilevel MiniPak 2x12ml (1 per level)

[LOT] 67300

Level 1 67301

Level 2 67302

[IVD]

2022-04-30

Link for latest version of target value sheet:

<https://www.human.de/urinalysis/target-value-sheets>



HUMAN COMBINA 10M TEST STRIP (VISUAL) (1) [REF] 23102	Parameter / Analyte	Level 1 – 67301	Level 2 – 67302
	Bilirubin	Negative	2+ – 3+
Blood	Negative	ca. 50 – 250 Ery/µL	
Glucose	Negative	300 – 1000 mg/dL (17 – 55 mmol/L)	
Ketones	Negative	16 – 52 mg/dL (1.5 – 5 mmol/L)	
Leukocytes (2)	Negative	75 – 500 Leu/µL	
Nitrite	Negative	Positive	
pH	5 – 6	6 – 7	
Protein, Total	Negative	30 – 500 mg/dL (0.3 – 5 g/L)	
Specific Gravity	1.015 – 1.025	1.010 – 1.020	
Urobilinogen	Normal	6 – 12 mg/dL (102 – 203 µmol/L)	

HUMAN COMBINA 11S TEST STRIP (VISUAL) (1) [REF] 23111	Parameter / Analyte	Level 1 – 67301	Level 2 – 67302
	Bilirubin	Negative	2+ – 3+ (35 – 70 µmol/L)
Blood	Negative	ca. 50 – 300 Ery/µL (2+ – 3+)	
Glucose	Normal	500 – 1000 mg/dL (28 – 56 mmol/L)	
Ketones (2)	Negative	1+ – 2+ (2.5 – 10 mmol/L)	
Leukocytes (2)	Negative	25 – 75 Leuco/µL	
Nitrite	Negative	Positive	
pH	5 – 6	6 – 7	
Protein, Total (2)	Negative	100 – 500 mg/dL (1 – 5 g/L)	
Specific Gravity	1.010 – 1.020	1.005 – 1.015	
Urobilinogen	Normal	8 – 12 mg/dL (140 – 200 µmol/L)	

HUMAN COMBINA 11S TEST STRIP / COMBILYZER VA ANALYZER [REF] 23111	Parameter / Analyte	Level 1 – 67301	Level 2 – 67302
	Bilirubin	Negative	50 – 100 µmol/L (3 – 6 mg/dL ; 2+ – 3+)
Blood	Negative	ca. 50 – 300 Ery/µL (2+ – 3+)	
Glucose	Normal	500 – 1000 mg/dL (28 – 56 mmol/L)	
Ketones	Negative	1.5 – 5 mmol/L (1+ – 2+)	
Leukocytes (2)	Negative	Negative – 75 Leuco/µL	
Nitrite	Negative	Positive	
pH	5 – 6	6 – 7	
Protein, Total (2)	Negative	1 g/L - 5 g/L (100 mg/dL - 500 mg/dL)	
Specific Gravity	1.010 – 1.020	1.005 – 1.020	
Urobilinogen	Normal	8 – 12 mg/dL (140 – 200 µmol/L)	

HUMAN COMBINA 11S TEST STRIP / COMBILYZER PLUS ANALYZER [REF] 23111	Parameter / Analyte	Level 1 – 67301	Level 2 – 67302
	Bilirubin	Negative	50 – 100 µmol/L (3 – 6 mg/dL ; 2+ – 3+)
Blood	Negative	ca. 50 – 300 Ery/µL (2+ – 3+)	
Glucose	Normal	500 – 1000 mg/dL (28 – 56 mmol/L)	
Ketones (2)	Negative	1.5 – 15 mmol/L (1+ – 3+)	
Leukocytes (2)	Negative	Negative	
Nitrite	Negative	Positive	
pH	5 – 6	6 – 7	
Protein, Total (2)	Negative	100 – 500 mg/dL (1 – 5 g/L)	
Specific Gravity	1.015 – 1.025	1.010 – 1.020	
Urobilinogen	Normal	8 – 12 mg/dL (140 – 200 µmol/L)	

HUMAN COMBINA 13 TEST STRIP (VISUAL) (1) [REF] 22132	Parameter / Analyte	Level 1 – 67301	Level 2 – 67302
	Bilirubin	Negative	51 – 103 µmol/L (2+ – 3+)
Blood	Negative	ca. 80 – 200 Ery/µL (2+ – 3+)	
Creatinine	50 – 200 mg/dL (4.4 – 17.7 mmol/L)	200 – 300 mg/dL (17.7 – 26.5 mmol/L)	
Glucose	Negative	250 – 500 mg/dL (14 – 28 mmol/L)	
Ketones (2)	Negative	15 – 78 mg/dL (1.5 – 7.8 mmol/L)	
Leukocytes (2)	Negative	15 – 125 Leuco/µL	
Microalbumin	10 mg/L	80 – 150 mg/L	
Nitrite	Negative	Positive	
pH	5.0 – 6.5	6.0 - 7.0	
Protein, Total	Negative	100 – ≥ 2000 mg/dL (1 – ≥ 20 g/L)	
Protein-to-Creatinine Ratio	n/a	n/a	
Specific Gravity	1.010 – 1.020	1.020 – 1.030	
Urobilinogen	0.2 mg/dL (3.4 µmol/L)	2 – 8 mg/dL (34 – 135 µmol/L)	

HUMAN COMBINA 13 TEST STRIP / COMBILYZER 13 ANALYZER [REF] 22132	Parameter / Analyte	Level 1 – 67301	Level 2 – 67302
	Bilirubin	Negative	51 – 103 µmol/L (2+ – 3+)
Blood	Negative	ca. 80 – 200 Ery/µL (2+ – 3+)	
Creatinine	10 – 100 mg/dL (0.9 – 8.8 mmol/L)	200 – 300 mg/dL (17.7 – 26.5 mmol/L)	
Glucose	Negative	250 – 500 mg/dL (14 – 28 mmol/L)	
Ketones	Negative	15 – 39 mg/dL (1.5 – 3.9 mmol/L)	
Leukocytes	Negative	70 – 500 Leuco/µL	
Microalbumin	10 mg/L	80 – 150 mg/L	
Nitrite	Negative	Positive	
pH	5.5 – 6.5	5.5 - 6.5	
Protein, Total	Negative	100 – 300 mg/dL (1 – 3 g/L)	
Protein-to-Creatinine Ratio	normal <30 mg/g (<3.4 mg/mmol) ; abnormal 30-300 mg/g (3.4-33.9 mg/mmol)	Abnormal; 30 – 300 mg/g (3.4 – 33.9 mg/mmol)	
Specific Gravity	1.015 – 1.025	1.020 – 1.030	
Urobilinogen	0.2 mg/dL (3.4 µmol/L), normal	2 – 8 mg/dL (34 – 135 µmol/L)	

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### DEUTSCH

- Bei einigen Analyten kann eine atypische Farbe beobachtet werden. Ergebnisse basieren auf Reaktionsstärken.
- Atypische Färbung beobachtet

### ENGLISH

- Atypical color may be observed with some analytes. Results are based on reaction strengths.
- Atypical coloration observed

### FRANÇAIS

- Une couleur atypique peut être observée pour certains analytes. Les résultats sont basés sur les intensités de réaction.
- Coloration atypique observée

### ESPAÑOL

- Puede observarse un color atípico con algunos analitos. Los resultados se basan en las fuerzas de reacción.
- Color atípico observado