

# 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 87750 Level 1 87751  
Level 2 87752

IVD 2023-12-31

Link for latest version of target value sheet:  
<https://www.human.de/urinalysis/target-value-sheets>



Parameter / Analyte	Level 1 – 87751	Level 2 – 87752
<b>HUMAN COMBINA 10M TEST STRIP (VISUAL) (1) REF 22102</b>	Bilirubin Negative Blood Negative Glucose Negative Ketones Negative Leukocytes (2) Negative Nitrite Negative pH 5 – 6 Protein, Total Negative Specific Gravity 1.015 – 1.025 Urobilinogen Normal	2+ – 3+ ca. 50 – 250 Ery/µL 300 – 1000 mg/dL (17 – 55 mmol/L) 16 – 52 mg/dL (1.5 – 5 mmol/L) 75 – 500 Leu/µL Positive 6 – 7 30 – 500 mg/dL (0.3 – 5 g/L) 1.010 – 1.020 6 – 12 mg/dL (102 – 203 µmol/L)
<b>HUMAN COMBINA 11S TEST STRIP (VISUAL) (1) REF 23111</b>	Bilirubin Negative Blood Negative Glucose Normal Ketones Negative Leukocytes (2) Negative Nitrite Negative pH 5 – 6 Protein, Total (2) Negative Specific Gravity 1.005-1.015 Urobilinogen Normal	2+ – 3+ (35 – 70 µmol/L) ca. 50 – 300 Ery/µL (2+ – 3+) 500 – 1000 mg/dL (28 – 56 mmol/L) 1+ – 2+ (2.5 – 10 mmol/L) 25 – 500 Leuco/µL Positive 6 – 7 100 – 500 mg/dL (1 – 5 g/L) 1.005 – 1.015 8 – 12 mg/dL (140 – 200 µmol/L)
<b>HUMAN COMBINA 11S TEST STRIP / COMBILYZER VA ANALYZER REF 23111</b>	Bilirubin Negative Blood Negative Glucose Normal Ketones Negative Leukocytes (2) Negative Nitrite Negative pH 5 – 6 Protein, Total (2) Negative Specific Gravity 1.010 – 1.020 Urobilinogen Normal	50 – 100 µmol/L (3 – 6 mg/dL ; 2+ – 3+) ca. 50 – 300 Ery/µL (2+ – 3+) 500 – 1000 mg/dL (28 – 56 mmol/L) 1.5 – 5 mmol/L (1+ – 2+) 25 – 500 Leuco/µL Positive 6 – 7 1 g/L - 5 g/L (100 mg/dL - 500 mg/dL) 1.010 – 1.020 8 – 12 mg/dL (140 – 200 µmol/L)
<b>HUMAN COMBINA 11S TEST STRIP / COMBILYZER PLUS ANALYZER REF 23111</b>	Bilirubin Negative Blood Negative Glucose Normal Ketones (2) Negative Leukocytes (2) Negative Nitrite Negative pH 5 – 6 Protein, Total (2) Negative Specific Gravity 1.010 – 1.020 Urobilinogen Normal	50 – 100 µmol/L (3 – 6 mg/dL ; 2+ – 3+) ca. 50 – 300 Ery/µL (2+ – 3+) 500 – 1000 mg/dL (28 – 56 mmol/L) 1.5 – 15 mmol/L (1+ – 3+) Negative - 25 Leuco/µL Positive 6 – 7 100 – 500 mg/dL (1 – 5 g/L) 1.010 – 1.020 8 – 12 mg/dL (140 – 200 µmol/L)
<b>HUMAN COMBINA 13 TEST STRIP (VISUAL) (1) REF 22132</b>	Bilirubin Negative Blood Negative Creatinine 50 – 200 mg/dL ( 4.4 – 17.7 mmol/L) Glucose Negative Ketones (2) Negative Leukocytes (2) Negative Microalbumin 10 mg/L Nitrite Negative pH 5.0 – 6.5 Protein, Total Negative Protein-to-Creatinine Ratio n/a Specific Gravity 1.005 – 1.015 Urobilinogen 0.2 mg/dL (3.4 µmol/L)	51 – 103 µmol/L (2+ – 3+) ca. 80 – 200 Ery/µL (2+ – 3+) 200 – 300 mg/dL (17.7 – 26.5 mmol/L) 250 – 500 mg/dL (14 – 28 mmol/L) 15 – 78 mg/dL (1.5 – 7.8 mmol/L) 70 – 500 Leuco/µL 80 – 150 mg/L Positive 6.0 - 7.0 100 – ≥ 2000 mg/dL (1 – ≥ 20 g/L) n/a 1.020 – 1.030 2 – 8 mg/dL (34 – 135 µmol/L)
<b>HUMAN COMBINA 13 TEST STRIP / COMBILYZER 13 ANALYZER REF 22132</b>	Bilirubin Negative Blood Negative Creatinine 50 – 200 mg/dL ( 4.4 – 17.7 mmol/L) Glucose Negative Ketones Negative Leukocytes Negative Microalbumin 10 mg/L Nitrite Negative pH 5.0 – 6.0 Protein, Total Negative Protein-to-Creatinine Ratio normal <30 mg/g (<3.4 mg/mmol) Specific Gravity 1.015 – 1.025 Urobilinogen 0.2 mg/dL (3.4 µmol/L), normal	51 – 103 µmol/L (2+ – 3+) ca. 80 – 200 Ery/µL (2+ – 3+) 200 – 300 mg/dL (17.7 – 26.5 mmol/L) 250 – 500 mg/dL (14 – 28 mmol/L) 15 – 39 mg/dL (1.5 – 3.9 mmol/L) 70 – 500 Leuco/µL 80 – 150 mg/L Positive 5.5 - 6.5 100 – 300 mg/dL (1 – 3 g/L) Abnormal; 30 – 300 mg/g (3.4 – 33.9 mg/mmol) 1.020 – 1.030 2 – 8 mg/dL (34 – 135 µmol/L)

co-us  
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### DEUTSCH

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

### ENGLISH

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

### FRANÇAIS

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

### ESPAÑOL

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