HUMAN

Target Values

BioRad Liquicheck™ Urinalysis Control

REF 435 Bilevel 12×12ml (6 per level)
436 Level 1 12×12ml
437 Level 2 12×12ml
435X Bilevel MiniPak 2×12ml (1 per level)

LOT 87760 Level 1 87761
Level 2 87762

IVD 2024-04-30

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

HUMAN COMBINA 10M TEST STRIP (VISUAL) (1) REF 22102

Parameter / Analyte	Level 1 – 87761	Level 2 – 87762
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	1.005 - 1.015
Urobilinogen	Normal	6 – 12 mg/dL (102 – 203 µmol/L)

HUMAN COMBINA 11S TEST STRIP (VISUAL) (1) REF 23111

Parameter / Analyte	Level 1 – 87761	Level 2 – 87762
Bilirubin	Negative	2+ – 3+ (35 - 70 µmol/L; 2 - 4 mg/dL)
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; 25 - 100mg/dL)
Leukocytes (2)	Negative	25 – 500 Leuco/µL
Nitrite	Negative	Positive
pH	5 – 6	6 – 7
Protein, Total (2)	Negative	100 – 500 mg/dL (1 – 5 g/L)
Specific Gravity	1.005-1.015	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 – 87761	Level 2 – 87762
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 – 15 mmol/L (1+ – 3+)
Leukocytes (2)	Negative	25 – 500 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	1.010 – 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 – 87761	Level 2 – 87762
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	5 – 15 mmol/L (2+ – 3+)
Leukocytes (2)	Negative	Negative - 25 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	1.010 – 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 – 87761	Level 2 – 87762
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	70 – 500 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	30 – 300 mg/dL (0.3 – 3.0 g/L)
Protein-to-Creatinine Ratio	n/a	n/a
Specific Gravity	1.005 – 1.015	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 – 87761	Level 2 – 87762
Bilirubin	Negative	51 – 103 µmol/L (2+ – 3+)
Blood	Negative	ca. 80 – 200 Ery/µL (2+ – 3+)
Creatinine	10 – 200 mg/dL (0.9 – 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	Negative	15 – 40 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	5.0 – 6.0	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)
Specific Gravity	1.010 – 1.020	1.020 – 1.030
Urobilinogen	0.2 mg/dL (3.4 µmol/L), normal	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