

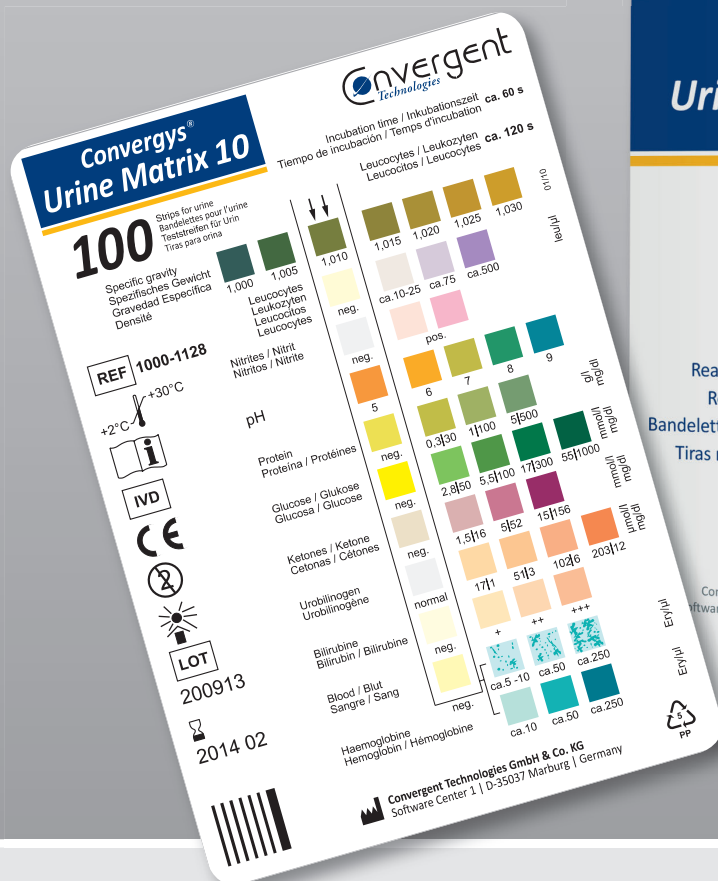
# Convergys® Urine Matrix

## Urine Test Strips

Convergys® Urine Matrix urine test strips for in vitro diagnostic use provide useful screening information regarding the status of carbohydrate metabolism, hypertension, kidney, liver function, acid-base balance, and urinary tract infections. Only the pathological indications of test parameters need further diagnostic intervention.

**NEW**

- Enhanced Sensitivity and
- Ascorbic Acid Interference Protected



# Convergys® Urine Matrix

## Urine Test Strips

Ascorbic Acid, also known as Vitamin C, can produce false negative results at high concentrations in urine samples. Convergys® Urine Matrix test strips are protected against interference of ascorbic acid in common concentrations now. The Ascorbic Acid concentrations of 200 mg/l have no influence on the measurements of urinary Glucose with concentrations of 2.8 mmol/l and above as well as Blood above 10 RBC/μl. Even Ascorbic Acid concentrations of

1000 mg/l have no influence on urine measurements of Nitrites above 2.5 mg/l, 25 Leukocytes/μl, Urobilinogen, Bilirubin, Ketone, Protein, pH and Specific Gravity.

Because of the enhanced sensitivity in many parameters and protection against ascorbic acid interference, Convergys® Urine Matrix Test strips are the first choice for better screening results.

### Performance Characteristics

Test Pad	Sensitivity	Specificity	Interference other
Urobilinogen	6.0 μmol/l; 0.35 mg/dl	urobilinogen and sterkobilinogen	phenazopiridine, bilirubin and light
Glucose	0.9 mmol/l; 16 mg/dl	specific for D-glucose	traces of detergents on the bases of peroxides and oxidising agents
Bilirubin	4.3 – 5.2 μmol/l; 0.25 – 0.30 mg/dl	specific for conjugated bilirubin	high concentration of Uro and light
Ketone	0.1 – 0.2 mmol/L; 1.0 – 2.0 mg/dl	high for acetoacetic acid, low for acetone, none for butyric acid	drugs and diagnostics on the bases of phenolphthalein or sulphophthalein
Blood	5 RBC/μl	specific for haemoglobin and myoglobin	extremely high SG
Protein	0.15 g/l; 15 mg/dl	specific for albumin	drugs on the bases of quinine and quinoline, alkaline urine with pH > 8, traces of some detergents and disinfectants
Nitrite	11 mmol/l; 0.05 mg/dl	specific for nitrite	diuresis and phenazopyridine
Leukocytes	10 WBC/μl	granulocytes and histiocytes	alkaline pH, higher SG and high concentration of bilirubin increases the intensity of colour reaction
pH	n.a.	n.a.	foreign substances on the alkaline and/or acidic bases, old urine with pH about 9
Specific Gravity	n.a.	n.a.	pH > 6.5

Convergys®	REF	Parameter	Tests
Urine Matrix 10	1000-1128	10 Parameter	100
Urine Matrix 10	1000-1129	10 Parameter	150
Urine Matrix G3	1000-1130	Glu, Prot, pH	100
Urine Matrix G2	1000-1131	Glu, Ket	100
Urine Matrix G+	1000-1132	Glu	100

\*10 Parameter: Glu (Glucose), Pro (Protein), pH (pH), Bld (Blood), Ket (Ketone), Nit (Nitrite), Bil (Bilirubin), Uro (Urobilinogen), SG (Specific Gravity), Leu (Leukocytes)  
\*Do call us for Customized parameter combinations.

