

PHAN®



Test Strips for Urine Analysis

Visual strips PHAN®																	
Product name	Cat. Nr.	Qty	Exp.	SG	NIT	pH	ASCO	PRO	GLU	KET	UBG	BIL	LEU	BLD	MA	CRE	CP
AlbuPHAN	URPH0001	50	24					•									
GlukoPHAN	URPH0002	50	27						•								
HemoPHAN	URPH0003	50	24											•			
KetoPHAN	URPH0004	50	30							•							
DiaPHAN	URPH0005	50	27						•	•							
IktoPHAN	URPH0006	50	24								•	•					
TriPHAN	URPH0007	50	27			•		•	•								
TriPHAN	URPH0008	100	27			•		•	•								
TetraPHAN dia	URPH0009	50	24			•		•	•	•							
PentaPHAN	URPH0010	50	24			•		•	•	•				•			
HexaPHAN	URPH0011	50	24			•		•	•	•	•			•			
HexaPHAN	URPH0012	100	24			•		•	•	•	•			•			
HeptaPHAN	URPH0013	50	24			•		•	•	•	•	•		•			
HeptaPHAN	URPH0014	100	24			•		•	•	•	•	•		•			
NonaPHAN SG	URPH0015	100	24	•	•	•		•	•	•	•	•		•			
NefroPHAN leuco	URPH0016	50	15		•	•		•					•	•			
DekaPHAN leuco	URPH0017	50	15	•	•	•		•	•	•	•	•	•	•			
DekaPHAN leuco	URPH0018	100	15	•	•	•		•	•	•	•	•	•	•			
UndekaPHAN	URPH0019	50	15	•	•	•	•	•	•	•	•	•	•	•			
MicroalbuPHAN	URPH0020	50	21												•	•	
Objective strips PHAN® LAURA																	
DiaPHAN LAURA	URPH0024	100	21						•	•							•
TetraPHAN SG Laura	URPH0025	100	21	•		•		•	•								•
PentaPHAN LAURA	URPH0026	100	21			•		•	•	•				•			•
HeptaPHAN LAURA	URPH0027	100	21			•		•	•	•	•	•		•			•
DekaPHAN LAURA	URPH0028	100	15	•	•	•		•	•	•	•	•	•	•			•
MicroalbuPHAN LAURA	URPH0029	50	15												•	•	•



Quick Overview of Patient's Health



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PHAN[®] test strips for urine analysis

Parameter	Abbreviation	Units	Evaluation time	Colour scale	Principle of the test	Sensitivity		Specificity	Interference	
						SI	Conv.		Ascorbic Acid	Other
Haemoglobin	BLD	Ery/ μ l	ca 60 s		oxidation of chromogene by organic hydroperoxide in the presence of the haemoglobine	5 Ery/ μ l		specific for haemoglobin and myoglobin	All pads are protected against normal concentrations of ascorbic acid.	extremely high SG
Erythrocytes										
Ketones	KET	mmol/l mg/dl	ca 60 s		sodium nitropruside in alkaline buffer (Legal's test)	0,1 - 0,2 mmol/l	1,0 - 2,0 mg/dl	high for acetoacetic acid, low for acetone, none for butyric acid		high concentration of UBG and light
Bilirubin	BIL	arb.u.	ca 60 s		reaction of diazonium salt in acidic surroundings	4,3 - 5,2 μ mol/l	0,25 - 0,30 mg/dl	specific for conjugated bilirubin		phenazopyridine, bilirubin and light
Urobilinogen	UBG	μ mol/l mg/dl	ca 60 s		reaction of diazonium salt in acidic surroundings	6,0 μ mol/l	0,35 mg/dl	urobilinogen and sterkobilinogen		traces of detergents in the bases of peroxides and oxidizing agents
Glucose	GLU	mmol/l	ca 60 s		enzymatic reaction - glucoseoxidase, peroxidase, chromogene	0,9 mmol/l	16 mg/dl	specific for D-glucose		drugs based on quinine and quinoline, alkaline urine with pH > 8, traces of detergents and disinfectants based on quarternaryammonium salt and urine with high buffer capacity
Protein	PRO	g/l mg/dl	ca 60 s		protein error of pH indicator - mixed acido-basic indicator changes colour in the presence of proteins	0,15 g/l	15 mg/dl	specific for albumin		foreign alkaline and/or acidic substances, old urine with pH about 9
pH	pH		ca 60 s		mixed acido-basic indicator					diuresis and phenazopyridine
Nitrites	NIT		ca 60 s		modified Griess' reaction	11 mmol/l	0,05 mg/dl	specific for nitrite (70% of bacteriuria)		reducing agents present in the urine
Ascorbic Acid	AA	mmol/l mg/dl	ca 60 s		reduction of molybdophosphoric acid into molybdenum blue	0,2 - 0,3 mmol/l	3,0 - 5,0 mg/dl	non specific oxidation - reduction reaction		pH > 6,5
Specific Gravity	SG		ca 60 s		colour change of acido-basic indicator dependant on ion exchange					alkaline pH, higher SG and high concentration of bilirubin increase the intensity of colour reaction
Leucocytes	LEU	Leu/ μ l	ca 120 s		enzymatic reaction - esterase splits substrate into free indoxyl, which reacts with diazonium salt	10 Leu/ μ l		granulocytes and histiocytes	drugs based on quinine and quinoline, alkaline urine with pH > 8, traces of detergents and disinfectants based on quarternaryammonium salt and urine with a high buffer capacity, high concentration of creatinine (>26.5 mmol/l)	
Microalbumin	MA	g/l mg/l	ca 60 s		acido-basic indicator changes colour in the presence of albumine	0,03 g/l	30 mg/l	specific for albumine	urine with high buffer capacity decreases intensity of colour, high concentration of acetoacetic acid (>50 mmol/l)	
Creatinine	CRE	mmol/l g/l	ca 60 s		Benedict-Behres' reaction	0,4 mmol/l	0,04 g/l	specific for creatinine		