

REAGENTS

Ascorbic acid: 2,6-dichlorophenolindophenol 0.7 % Bilirubin: diazonium salt 3.1 % Blood: tetramethylbenzidine-dihydrochloride 2.0 %,

WARNING AND PRECAUTIONS

Bernstein nachten eine Einspreizung der Steine Stein

 PROCEDURE
 87.4-100%, SG: 55.7-99.7%, Urobilinogen: 91.3-99.8%,

 • Bernove only the number of urine test strips intended to be used for measurement, and immediately close the vial again tightly with the original cap.
 not applicable

 • Dip the urine test strips intended to be used for measurement, and immediately close the vial again tightly with the original cap.
 nameter istepaties that must be used for the sameter ist strips for the sameter

Vipe the edge of the strip on the rim of the sample container to acid

Wige the scale of the strip on the rim of the sample container to remore excess urine.
 Dath the edge of the urine test strip on an absorbent paper towel.
 Visual evaluation: To prevent interaction of adjocent test pads, hold the urine test strip in a horizontal position during incubation. Compare the test pads on the urine test strip with the corresponding color chart on the vial 60 seconds (60–120 seconds of the urine test strip with appear more than 2 minutes after immersion. Color changes that appear more than 2 minutes after immersion should not be evaluated. Visual evaluation should be carried out in daylight (or under daylight lamps), but not under direct sunlight. Any color change that cannot be assigned to the color chart on the vial label, or that is restricted to the rim of the test pads, is without meaning and should not be used of interpretation.
 Automated evaluation. For application, please read carefully the detailed lue to the different spectral sensitivities of the human eye and the optical system of the instrument.
 MatterikLaP ROVIDED

pH Prot

MATERIALS PROVIDED

MATERIALS REQUIRED BUT NOT PROVIDED For the automated evaluation: Analyticon urine analyzer for the CombiScreen® system urine test strips.

CUALITY CONTROL Performance of urine lest strips should be checked with appropriate quality control materials (e.g. REF 2010). CombScreent¹ Dre value internal guidelines of the laboratory and the local regulations. It is recommended to perform control measurements after opening a new vial of urine test strips or with a new batch of urine test strips. Each laboratory is objected to establish its own quality control standards. It is necessary to compare the resulting control advelopment with the labor. assome control materials may show atypical color development. **BESUIT TS ADM EXPLOSE**

RESULTS AND EXPECTED VALUES

Each laboratory should evaluate the transferability of the expected values to its own patient population and, if necessary, determine The color changes of the test pads correspond to the analyte Distributor

LIMITATIONS OF THE PROCEDURE

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are using.

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Reagent. In the presence of ascorbic acid, the color changes from grey-blue to orange.
 Bilinubin: A red azo compound is obtained in the presence of ascorbic acid, the color changes from bilinubin leads to acid or free-formage peach.
 Bilonubin: A red azo compound is obtained in the presence of ascorbic acid has been largely bilinubin leads to acid or free-formage peach.
 Bilonubin: A red azo compound is obtained in the presence of ascorbic acid has been largely bilinubin leads to acid or free-formage peach.
 Bilonubin: The test is based on the pseudo-peroxidative activity and approxement of ascorbic acid has been largely or a green color to indicate ty an organic hydroperoxide and a chromogen producing contrations of ascorbic acid has been largely or a green color to indicate ty an organic hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid and hydroperoxide and a chromogen producing contrations of ascorbic acid (vilamin C) can asse fails negative results.
 Butobase and with adian minoprussión in alakina solution i give a violet colored compex (Lega's test).
 Leucocytes: The test is based on the redsition a fakina solution i give a violet colored compex (Lega's test).
 Leucocytes: The test is based on the principie of the Grees reaction or a declored con

granulocytes. This enzyme icleaves heterocyclic carboxylates. If interfere by producing a red cooreation in the alkating range which the enzyme is released from the ealks it action using the versus.
 Mitrite: The test is based on the principle of the Griess reaction.
 Any degree of pink-orange coloration should be interpreted as positive result.
 PH: The test paper contains pH indicators, which clearly change color between pH 5 and pH 9 (from orange to green to turquose).
 Protein: The test is based on the protein zero indicated with less sensitivity. The presence of proteins leads to a color change from yellowshin and yaise (articular section.
 Specific Gravity: The test is based on a color change of threagent from bue green to greenish yellow depending on the activate contention on of detectable concentrations of noins in the urine.
 Vorbilingen: The test is based on a color change of threagent from bue green to greenish yellow depending on the activations.
 REAGENTS

as a positive result. **pH:** Bacterial contamiation and growth in the urine after sample collection may lead to false results. Red borders which may appear next to the nitrite field must not be taken into consideration.

Protein: Highly alkaline urine samples (pH > 9), high specific gravity, infusions with polyviny/pyrrolidone (blood substitute) medicaments containing quinine and also disinfectant residues in the urine sampling vessel containing quaternary ammonium groups can lead to false positive results.

 hydrochindre 5.0 %
 in the urine sampling vessel containing quaterarry ammonium groupes carbady list be positive results.

 Ketoness colum nitroprusside 2.0 %
 groups can lead to list be positive results.

 Leucocytes: carbarylic card ester 0.4 %; diazonium set 0.2 %
 Specific Gravity: The color scale has been optimized for urine my classe slatistic (pH > 4) urines lead to slightly lower results, highly acdic (pH < 6) urines may cause slightly higher robinition classes in the stat.</td>

 Specific Gravity: thromothymol blue 2.8 %
 Urobilingen: Higher concentrations of formalishing for the results with the test.

Testis olduces and use of interiere with the test. Urobilingers - Higher concentrations of formaldehyde or exposure of the urine to light for a longer period of time may lead to lowered or false negative results. Beetroot or metatolities of drugs which give a color at low JP (Idenazoyoridine, azo dyes, p-aminobenzoic acid) may cause false positive results.

Ascorbic	n.a.	Arbitrary	neg., +, ++
acid		[mg/dL]	neg., 20, 40
		[g/L]	neg., 0.2, 0.4
Bilirubin	neg.	Arbitrary	neg., +, ++, +++
		[mg/dL]	neg., 1, 2, 4
		[µmol/L]	neg., 17, 35, 70
Blood	neg.	Arbitrary	neg., +, ++, +++
		[Ery/µL]	neg., 5-10, ~50, ~300
Glucose	norm.	Arbitrary	norm., +, ++, +++, ++++, 5+
		[mg/dL]	norm., 50, 100, 250, 500, 1000
		[mmol/L]	norm., 2.8, 5.6, 14, 28, 56
Ketones	neg. –	Arbitrary	neg., (+) [trace], +, ++, +++
	trace	[mg/dL]	neg., 10 [trace], 25, 100, 300
		[mmol/L]	neg., 1.0 [trace], 2.5, 10, 30
Leucocytes	neg.	Arbitrary	neg., +, ++, +++
		[Leu/µL]	0, ~25, ~75, ~500
Nitrite	neg.	Arbitrary	neg., pos.
pН	pH 58		5, 6, 6.5, 7, 7.5*, 8, 9
Protein	neg. – trace	Arbitrary	neg., (+) [trace]**, +, ++, +++
		[mg/dL]	neg., 15 [trace]**, 30, 100, 500
		[g/L]	neg., 0.15 [trace]**, 0.3, 1.0, 5.0
Specific Gravity	1.015- 1.025		1.000, 1.005, 1.010, 1.015, 1.020, 1.025, 1.030
Urobilino-	norm.	Arbitrary	norm., +, ++, +++, ++++
gen		[mg/dL]	norm., 2, 4, 8, 12
		[µmol/L]	norm., 35, 70, 140, 200
n.a.: not app evaluation o	licable; *F nly	or automat	ed evaluation only; **Visual

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D	In vitro diagnostics product	8	Only single use
E	The product complies with European legislation	LOT	Batch identification number
ì	Follow the instructions for use!	REF	Item number
	Use by		Manufacturer
	Permitted storage temperature range	~	date of manufacture

CombiScreen® PLUS Uri Co Uri

Analyticon Biotechnologies GmbH Am Muehlenberg 10 35104 Lichtenfels Germany www.analyticon-diagnostics.com

Parameter

Urine Test Str	ips FI NO TR	ĒS		<u>id</u>							کر ا		_
CombiScree	n [®] FR T PT	NL		Ac			a)			tes	avit		ger
Urine Test Str	ips PL CZ GR	RU	asoor	corbic	tones	otein	-Value	poo	rite	ucocy	ec. G	irubin	obilino
Name	ArtNo.	Cont	G	As	Ke	P _r	Нd	Ĕ	Zit	Le	Sp	ä	Ľ
CombiScreen [®] P	lus – with ascorbic acid protection	on											
Glu Plus	94501	50											
Nitrit Plus	94506	50											
3 Plus	94508 / 94108	50 / 100											
5+Leuko Plus	94517 / 94117	50 / 100											
5+N Plus	94535 / 94135	50 / 100											
9 Plus	94115	100											
9+Leuko Plus	94250 / 94200	50 / 100											
10SL Plus	94120	100											
5SYS Plus ¹⁾	94109	100											
7SYS Plus ¹⁾	94110 / 94110A	100 / 150											
11SYS Plus ²⁾	94100 / 94150 / 94150BC ³⁾	100 / 150 / 150											
CombiScreen [®] cl	assic line – without ascorbic aci	d protection											
GP	93104	100											
3	93108A	150											
GAK	93107 / 93107A	100 / 150											
GPK	93105	100											
10SL	93120 / 93120A / 93120B	100 / 150 / 50											
11SYS ²⁾	93100 / 93150 / 93050	100 / 150 / 50											

¹⁾ System test strips to be used with Urilyzer[®] 100 Pro instruments

³⁾ System test strips with barcode on the label

Text passages with grey background were changed in the latest revision of this package insert. / Grau hinterlegie Textpassagen wurden in der letzten Überarbeitung dieser Gebrauchsanweisung geändert. / Grämarkerade delar av texten har ändrats sedan packsedelns senaste revision. / Tekt baggrund er ændret i den seneste version af denne indlægsseddel. / Pakkausselosteessa harmaalla taustalla olevia tekstejä on muutettu viimeksi tehdyssä tarkistuksessa. / Tekstpassager med grå bakgrunn ble endret i den seneste revisionen av dette pakningsvedlegget. / Bu paketin en s arka plani metin pasajlari degistilmitijtr. / Los pasajes de texto con fondo gris se cambiaron en la ülima revisión de este prospecto. / Les pasages de text sur fond gris on tekte modifies dans la dernière révision de ee mode d'emploi. // Tpassagi di testo con fondo gris se cambiaron en la ülima revisión de este prospecto. / Les pasages de text sur fond gris on texte modifies dans la dernière révision de ee mode d'emploi. // Tpassagi di testo con fondo gris se cambiaron en la ülima revisión de este fonto informativo. / Tekstgeaellem en een grize achtergrond zin anagrepast lighers de lataste revisiva en deze bisjuiter. / Tregmenty textu na sate fonte loi informativo. / Tekstgeaellem en een grize achtergrond zin anagrepast lighers de lataste revisiva en deze bisjuiter. / Tregmenty textu na cavabre cablisitativo. / Textstgeaellem en een grize achtergrond zin anagrepast lighers de lataste revisiva en deze bisjuiter. / Texto asultina textista de set fonten ativo. / Textstgeaellem en een grize achtergrond zin anagrepast lighers de lataste revisiva en deze bisjuiter. / Texto asultina textista de set fonten informativo. / Textstgeaellem en een grize achtergrond zin anagrepast lighers de lataste revisiva en ace bisjuiter. / Texto asulter revisiva en achtergrenet texto as bisjuiter. / Texto asulterstervisi en de set bisjuiter. / Texto asulter revision de texto as de tokto promoting raver achtergrenet texto as achtergrenet texto asultastervisi en achtergrenet gran ный серым цветом был ии этой инструкции по пр















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Referenzbereiche für Kinder und Erwachsene von Heil/ Ehrhardt (Roche) [pH Referenz daraus entnommen]; oder alternativ aus "Textbook of Urinalysis and Body Fluids" von Landy J. McBride: Kaplan L.A., Pesce A.J. Clinical chemistry. 3rd ed. St. Louis: The CV Mosby Company, 1996.

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93100 / 93150 / 93050 ²⁾ System test strips to be used with CombiScan[®] and Urilyzer[®] 100/500 Pro instruments

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