



STANDAARDISATIE URINE SEDIMENTEN ONDERZOEK: KOVA – SYSTEEM SINDS 1981.

HYCOR

An Agilent Technologies Company

www.hycorbiomedical.com

Standaardisatie urine sedimenten onderzoek:

- Hygiënisch en schoon.
- Dekglaasjes overbodig.
- Steeds dezelfde hoeveelheid urine in onderzoek.
- Eenvoudig en snel.
- Tot 10 sedimenten in één telkamer.

Aanbevolen methode in meer dan 100 landen.
CE – gemarkeerd.

Urine controles: KOVA-controls

- 3 levels:
 - * High abnormal.
 - * Abnormal.
 - * Normal.

Vloeibaar en gevriesdroomd.
Tevens geschikt voor Urine Strips & Readers van alle fabrikanten.

STANDARDIZED MICROSCOPIC PROCEDURE USING THE KOVA SYSTEM

For clear, quick and hygienic microscopic urinalysis



1 After sample collection and transportation to the laboratory, 12 mL of each of the specimen or the controls are poured into separate graduated KOVA Tubes. When the specific gravity and dipstick chemistries have been determined, the capped tubes are centrifuged at 1500 RPM (6" rotor = 400 rcf) for five minutes.



2 Tubes are then removed from the centrifuge and a lock tip KOVA Petter is firmly inserted into each tube trapping 1.0 mL of sediment; the supernatant is then decanted as shown.



3 The unique KOVA Petter with its lock tip feature allows decanting of up to ten KOVA Tubes at one time in the KOVA Decanting Rack.



4 The KOVA Petter is withdrawn and one drop of KOVA Stain (Sternheimer-Malbin) is added to aid in the visualization of cells and casts (see KOVA Stain package insert for the staining characteristics of each sediment element).



5 The sediment and stain are then mixed by gentle repeated squeezing of the KOVA Petter bulb. The petter is used to transfer one drop to the appropriately numbered chamber on either a four-well or ten-well KOVA Slide. Each chamber of all KOVA Slides contains a standard volume of 6.6 µL. Capillary action will draw this precise amount of urine into the slide chamber.



6 The KOVA Slide is then placed in the microscope stage; casts are quantified at lower power (100X). All other elements are quantified at high power (400X). Proper performance is indicated by comparing the erythrocytes and simulated leukocytes in KOVA-Trol urine-based controls with their respective package insert value charts.

Complete KOVA System:

KOVA System Pac 10 with grids:
Contains: Determination of 1000 Urine sediments
Art. nr.: 87159
2 x 500 KOVA Economy Tubes, 87138
2 x 500 Petters, 87135
1 x 100 Glasstic Slides with grids, 87144

KOVA System Pac 10 without grids:

Contains: Determination of 500 Urine sediments
Art. nr.: 87156
1 x 500 KOVA Economy Tubes, 87138
1 x 500 Petters, 87135
1 x 50 Glasstic Slides without grids, 87157

Vraag meer informatie en/of testverpakking aan.

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KOVA Urinalysis Controls.
KOVA-TROL I, II, III

- * Kova-Trol is a freeze-dried human urine control for qualitative procedures used in physiochemical and chemical determinations and for microscopic sediment analyses.
- * Directions for use with reagent strips
- * Standardized urinalysis procedures
- * Value Assignment for:
Reagent Test Strips:
Bayer®, Roche®, etc.
pH, Protein, Glucose, Ketones, Bilirubin, Blood (Hb), Nitrite, Urobilinogen, Specific Gravity, Leukocyte Esterase, Microalbumin, Creatinine
- * Physical characteristics:
Appearance, Color, Specific Gravity, Osmolatiy, pH.
- * Alternative Tests:
Glucose/Clinitest, Bilirubin/Icotest, Ketone/Acetest, Protein/Sulfosalicylic Acid (3%) Qualitative, Quantitative.
- * Microscopic Quality Control Cell Counts:
Qualitative; Red Cells/ hpf, White Cells/hpf
Quantitative; Red Cells/ hpf, White Cells/hpf.
- * Pregnancy Testing:
Beckman Coulter ICON II ® HCG
Quidel Quick Vue ® hCG
Bayer Clinitest ® hCG
All other qualitative procedures

Article nr.:	Contents;
87329, KOVA-Trol I, High Abnormal	4 x 15 ml
87130, KOVA-Trol II, Low Abnormal	4 x 15 ml
87331, KOVA-Trol III, Normal with hCG	4 x 15 ml


KOVA-Liqui-TROL I, II

- * Kova Liqua-Trol with Microscopics is a ready-to-use liquid product as control for qualitative procedures used in physiochemical and chemical determinations and for microscopic sediment analyses.


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Article nr.:	Contents;	
87122, KOVA Liqua-Trol II, Normal with hCG	2 x 120 ml	
87176, KOVA Liqua-Trol I, Abnormal	2 x 120 ml	
37036, KOVA Liqua-Trol I, Abnormal	1 x 120 ml	
	KOVA Liqua-Trol II, Normal with hCG	1 x 120 ml



The HYCOR KOVA® System

Microscopic urinalysis is a powerful diagnostic tool. The HYCOR KOVA System addresses factors that contribute to imprecision in manual microscopic urinalysis. It standardizes and streamlines the sample preparation process, so you reduce variables, improve worker safety, and increase the quality and consistency of results.

A complete system

The KOVA System includes slides, centrifuge tubes, petters and dipstick chemistry controls, available with convenient packaging ready to ship from a distributor near you. Trial sizes are available for evaluation.

"The technologists favored the use of the HYCOR system for several reasons... The HYCOR system addresses several factors that contribute to imprecision in manual microscopic examinations of body fluids."

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Disposable Glasstic slides reduce pipetting errors and eliminate variables that can interfere with microscopic analysis. Glasstic slides feature self-contained chambers for precise volume control. For easier and faster counting, graded (100 µm) perforated slides are available. And with the unique Glasstic non-chamber design, getting fantastic results can be cost-effective too. Compared to glass slides and coverslips, Glasstic slides can save you close to 5 cents per sample!

Capillary action, reproducible precision

Add a drop of sediment and a controlled volume of sediment moves into the chamber. The result is a consistent, homogeneous suspension of the sample sediment, ready for microscopic analysis.

Self-contained for accuracy—and safety

Glasstic slides are manufactured from clear plastic—not glass—to reduce the chance of breakage and make them safer to handle. Specimens are held in self-contained slide chambers, protecting samples from cross-contamination and leakage onto the lab bench or microscope stage.

Ordering information

For ordering information, go to hycorbiomedical.com/urinalysis.

Vraag meer informatie en/of testverpakking aan.

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KOVA Glasstic Slide 10 with grid

Instructions for use:



Fill the KOVA Tube to 12 ml and firmly attach the KOVA Cap. Centrifuge at 1500 rpm for 5 minutes.



Insert the KOVA Petter firmly and decant. 10 ml of sediment will be trapped by the KOVA Petter



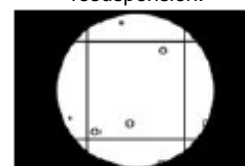
Gently resuspend using the KOVA Petter. If desired, add 1 drop of KOVA Stain prior to resuspension.



Using the KOVA Petter, transfer the sample to the notch on slide chamber. Carefully addition of samples insures the hygienic handling of the KOVA System.



By capillary action 6.6 µl of the sample will be drawn into the KOVA Slide. 10 chamber resulting in a homogenous of the sediment.



Quantitate the casts at the low power (100x). Quantitate all cells at high power (400x). Count the cells within the lines of the small 0.33 mm square grid (as shown). Refer to the value table for the cell count per µl of the patient sample.

Stabilur® Tablets:

Stabilize Urine Specimens For Delayed Laboratory Microscopic Examination of Urine Sediment

Maintains* Red and White Blood Cells in Original Condition

- Prevents the usual rapid lysis of leukocytes to assure accurate confirmation of this key indicator of urinary tract infection.1
- Permits accurate counting and estimation of erythrocytes

Maintains* the Morphology of Typical Formed Elements in Urine Sediment Such as Casts, Crystals and Mucous Threads

- Morphology and staining characteristics of casts and cells are retained in original condition.
- Tablet dissolves completely, and does not contribute any crystals to the sediment.2

* Protects unrefrigerated specimens circa three days.

Maintains* Most Urine Dipstick Chemistries

Maintains most chemical constituents in urine for retesting by dipstick chemistry by preventing bacterial decomposition.

- Does not interfere with enzyme based dipstick chemistry tests, i.e. leukocyte esterase.3
- At recommended levels urine pH is buffered to just under neutral, and specific gravity is raised 0.002.

*Maintains Other Chemistry Assay Components

- Does not interfere with certain TLC and RIA methods for assay of physiological marker compounds and drugs and their metabolites.



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