CONSULT®
diagnostics

McKESSON

PREMIUM LIQUID URINE CONTROLS **EXPECTED VALUES**

For use with MFR # 163-89123

Revised: 9/21/17 McKesson hCG, McKesson Arbitrary, Clinitek Novus.

McKESSON CONSULT® PREMIUM LIQUID URINE CONTROL LEVEL II (NORMAL WITH HCG) MICROSCOPICS

McKesson Control Level II Lot No: **K302277** Expiration Date: **2019-01**

CONSTITUENT	REAGENT TEST STRIP RESULTS [1]									
	SIEMENS REAGENT STRIP [a]								ARKRAY [c] Aution Reagent Strip Aution Hybrid™ AU-4050	IRIS REAGENT STRIP [i] iChem®VELOCITY™
	Visual	Clinitek®50	Clinitek® Status / Status+	Clinitek®100	Clinitek® 500 / Advantus	Clinitek®Atlas	Clinitek®Novus			
pH	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0		6.0 - 7.0	6.0 - 7.0
Protein	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Glucose	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Ketones	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Bilirubin	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Blood (hemoglobin)	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Nitrite	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Urobilinogen	0.2 - 1 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL	0.2 - 1.0 EU/dL		Normal	Normal
Specific Gravity	1.005 - 1.015	≤ 1.005 - 1.015	≤ 1.005 - 1.020	≤ 1.005 - 1.020	≤ 1.005 - 1.020	≤ 1.005 - 1.015 [5]	≤1.005 - 1.015 [5]		1.000 - 1.010 [5]	1.005 - 1.015 [5]
Leukocyte Esterase [3]	Negative	Negative	Negative	Negative	Negative	Negative	Negative		Negative	Negative
Microalbumin	N/A	≤ 10 mg/L [4]	≤ 10 mg/L [4]	≤ 10 mg/L [4]	N/A	N/A	≤ 10 mg/L [6]		N/A	N/A
Creatinine	100 - 300 mg/dL	100 - 300 mg/dL [4]	100 - 300 mg/dL [4]	100 - 300 mg/dL [4]	100 - 300 mg/dL	N/A	100 – ≥ 300 mg/dL [6]		N/A	N/A
A:C	N/A	< 30 mg/g Normal [4]			N/A	N/A	Normal: Dilute - Normal [6]		N/A	N/A
Ascorbic Acid	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	Negative

PHYSICAL CHARACTERISTICS

Property	Value Range	Method
Appearance	Clear	Visual
Color	Yellow - Green	Visual
Specific Gravity	1.003 - 1.007	Refractometer (Room Temp.)
Osmolality	200 - 300	mOsm Freezing Pt. Depression
pH	6.0 - 7.0	pH meter

ALTERNATIVE TESTS

Constituent/Method	Value Range
Bilirubin/Ictotest [a]	Negative
Protein/Sulfosalicylic Acid (3%)	
Qualitative	Negative

† Iris iQ200 cells/hpf.
*** Urinary artifacts may be present.

MICROSCOPIC QUALITY CONTROL CELL COUNTS [2,3]

Constituent	Fixed Rotor	Swing Rotor	Iris [i] iQ200
Qualitative [f]			
Red Cells/hpf	0 - 1	0 - 1	---
White Cells/hpf	0 - 4	0 - 11	---
Quantitative [g]			
Red Cells/µL †	0 - 1	0 - 1	0 - 1
White Cells/µL †	0 - 16	0 - 38	0 - 3
Crystals***	≤ 1	≤ 1	---
Casts (low power)	< 1	< 1	---

PREGNANCY TESTING

Method	Result
Beckman Coulter ICON® 20 hCG [e]	Positive
Quidel QuickVue® hCG [d]	Positive
Siemens Clinitest® hCG [a]	Positive
McKesson Consult hCG® Dipstick [j]	Positive
McKesson Consult hCG® Cassette [j]	Positive

Note: Other manufacturers' methods will work and should be confirmed by the laboratory.

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CONSTITUENT	REAGENT TEST STRIP RESULTS [1]									
	ROCHE REAGENT STRIP [b]							McKESSON [j] CONSULT® REAGENT STRIP 120 Urine Analyzer		BIOSYS [h]
	Combur-Test® Visual	Chemstrip® Visual	Chemstrip Criterion II™	URISYS 1800™	URISYS 1100™	Cobas® U 411	URISYS® 2400	Conventional	Arbitrary	UriScan Optima™& Optima II™
pH	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6 - 7	6.0 - 7.0	6.0 - 7.0	6.0 - 7.0
Protein	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	(–)	Negative
Glucose	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Negative	(–)	Negative
Ketones	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	(–)	Negative
Bilirubin	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	(–)	Negative
Blood (hemoglobin)	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	(–)	Negative
Nitrite	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	(–)	Negative
Urobilinogen	Normal	Normal	Normal	Normal	Normal	Normal	Normal	0.2 - 1 mg/dL	(–) – ±	Normal
Specific Gravity	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015	1.005 - 1.015 [5]	1.005 - 1.020	1.005 - 1.020	≤ 1.005 - 1.020
Leukocyte Esterase [3]	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	(–)	Negative
Microalbumin	N/A	N/A [7]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Creatinine	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
A:C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ascorbic Acid	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

1. Methodology changes or variability in reagent strip lots can influence urine control recoveries. It is recommended that the value listed here be used as guidelines until the laboratory has established its own quality control ranges.
2. The cell count ranges apply to a microscopic field viewed using a 10x wide eyepiece and a 40x objective lens. The approximate diameter of such a field under high power magnification is 0.50 mm; therefore, an appropriate correction factor should be applied when a microscope with a different field size is used in order to maintain consistency in reporting results.
3. A microscopic examination of the sedimentation is recommended in conjunction with a screening test for leukocyte esterase to detect lysed leukocytes. Testing for leukocyte esterase should not be used to replace microscopic analysis as significant and often critical pathologically diagnostic elements will go undetected.
4. Creatinine and microalbumin values are assigned with Siemens Microalbumin strips on the Clinitek 50, STATUS, and 100 only.
5. Value assigned with normal system settings at .005 increments.
6. Values assigned for international use only.
7. Roche Diagnostics Micral strips are used for the visual semiquantitative microalbuminuria test.

a Siemens Medical Solutions Diagnostics
b Roche Diagnostics Corporation
c ARKRAY, Inc
d Quidel Corporation
e Beckman Coulter, Inc.
f Using KOVA® System with KOVA® Slide II, KOVA® Glasstic® Slide 10
g Using KOVA® System with KOVA® Glasstic® Slide 10 with Grids
h BIOSYS Laboratories, Inc.
i Iris Diagnostics
j McKesson Medical-Surgical / CONSULT® Diagnostics

 Additional value assignments on other side.