

## EQA round: MS3/23 - Urinary Sediment Morphology

Deadline: 1.12.2023

Setup: all data

AV = assigned value

CVE = consensus of the experts

&gt;&gt;&gt; ... expected result

&gt; ... acceptable result

± ... result not assessed

N<sub>tot</sub> = total number of the resultsN<sub>rel</sub> = relative number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
<b>(400) Urinary Sediment Morphology</b>		274			274	183	67
<b>Photo 1</b>		274			274	214	78
All results	CVE >>>	210	77	Erythrocyte			
	>	4	1,5	Dysmorphic erythrocyte			
		1	0,4	Bacteria			
		2	0,7	Yeast (candida)			
		47	17	The lipid / fat drop or cluster of drops			
		2	0,7	Crystal (not further defined)			
		1	0,4	Crystal - monoammonium urate			
		6	2,2	Artefact			
		1	0,4	Unknown / non-identifiable			
<b>Photo 2</b>		274			274	144	53
All results		59	22	Leukocyte			
		6	2,2	Granulocyte			
		50	18	Macrophage			
		1	0,4	Squamous epithelial cell			
	>	64	23	Small epithelial cell (other than squamous epithelial cell)			
		14	5,1	Transitional epithelial cell			
	CVE >>>	76	28	Renal tubular epithelial cell			
	>	4	1,5	Atypical epithelial cell, not further defined			
<b>Photo 3</b>		274			274	266	97
All results	>	18	6,6	Crystal (not further defined)			
		8	2,9	Crystal - uric acid			
	CVE >>>	248	91	Crystal - triphosphosphate (struvite)			
<b>Photo 4</b>		274			274	169	62
All results		1	0,4	Macrophage			
	CVE >>>	169	62	Squamous epithelial cell			
		35	13	Small epithelial cell (other than squamous epithelial cell)			
		53	19	Transitional epithelial cell			
		2	0,7	Renal tubular epithelial cell			
		14	5,1	Atypical epithelial cell, not further defined			