

Supplementary Text S1

Parameters describing the sensitivity and specificity of a reagent strip test for microhaematuria including trace results (T) from one to 5 days of urine testing in a study pertaining to *S. haematobium* morbidity before and up to 2 years after praziquantel treatment.

Number of tests	1	2	3	4	5
Reagent strip					
c	0.97 (0.92-1.00)	0.93 (0.86-0.99)	0.92 (0.85-0.99)	0.89 (0.82-0.98)	0.87 (0.80-0.96)
a_0	-0.43 (-0.77--0.10)	0.09 (-0.24-0.37)	0.46 (0.14-0.73)	0.67 (0.38-0.96)	0.78 (0.49-1.04)
a_1	0.12 (0.04-0.27)	0.10 (0.03-0.23)	0.10 (0.03-0.24)	0.09 (0.03-0.22)	0.09 (0.03-0.21)
a_2	3.60 (1.90-8.29)	3.88 (1.99-9.50)	3.89 (1.94-9.74)	4.02 (2.04-9.27)	4.40 (2.18-10.69)
a_3	0.98 (0.97-0.99)	0.99 (0.99-1.00)	0.99 (0.99-1.00)	1.00 (0.99-1.00)	1.00 (0.99-1.00)
Urine filtration					
k_0	-2.34 (-2.47--2.22)	-2.37 (-2.50--2.25)	-2.36 (-2.49--2.24)	-2.36 (-2.48--2.24)	-2.36 (-2.48--2.24)
k_1	0.38 (0.35-0.42)	0.39 (0.36-0.42)	0.39 (0.36-0.42)	0.39 (0.36-0.42)	0.39 (0.35-0.42)

Parameters describing the sensitivity and specificity of a reagent strip for microhaematuria excluding trace results (1) from one to 5 days of urine testing in a study pertaining to *S. haematobium* morbidity before and up to 2 years after praziquantel treatment.

Number of tests	1	2	3	4	5
Reagent strip					
c	0.99 (0.96-1.00)	0.99 (0.97-1.00)	0.99 (0.96-1.00)	0.98 (0.94-1.00)	0.97 (0.92-1.00)
a_0	-0.93 (-1.31--0.60)	-0.59 (-0.89--0.31)	-0.29 (-0.59--0.04)	-0.16 (-0.47-0.10)	-0.12 (-0.43-0.14)
a_1	0.22 (0.08-0.47)	0.21 (0.09-0.42)	0.18 (0.07-0.37)	0.17 (0.06-0.36)	0.17 (0.06-0.36)
a_2	1.28 (0.73-2.83)	1.15 (0.74-2.14)	1.38 (0.86-2.69)	1.61 (0.91-3.56)	1.75 (0.97-3.94)
a_3	0.89 (0.84-0.95)	0.97 (0.93-1.00)	0.98 (0.95-1.00)	0.98 (0.95-1.00)	0.98 (0.96-1.00)
Urine filtration					
k_0	-2.31 (-2.43--2.19)	-2.30 (-2.43--2.19)	-2.30 (-2.43--2.18)	-2.31 (-2.42--2.19)	-2.31 (-2.43--2.19)
k_1	0.38 (0.34-0.41)	0.37 (0.34-0.41)	0.37 (0.34-0.41)	0.37 (0.34-0.41)	0.37 (0.34-0.41)

Parameters describing the sensitivity and specificity of a reagent strip for microhaematuria excluding trace and 1+ results (2) from one to 5 days of urine testing in a study pertaining to *S. haematobium* morbidity before and up to 2 years after praziquantel treatment.

Number of tests	1	2	3	4	5
Reagent strip					
c	1.00 (0.98-1.00)	0.99 (0.98-1.00)	0.99 (0.97-1.00)	0.99 (0.97-1.00)	0.99 (0.96-1.00)
a_0	-1.53 (-1.90--1.21)	-1.42 (-1.77--1.13)	-1.18 (-1.52--0.89)	-1.05 (-1.37--0.77)	-0.98 (-1.28--0.70)
a_1	0.28 (0.13-0.51)	0.25 (0.11-0.46)	0.22 (0.09-0.43)	0.21 (0.09-0.41)	0.20 (0.08-0.38)
a_2	0.87 (0.58-1.42)	1.02 (0.70-1.62)	1.14 (0.79-1.84)	1.25 (0.85-2.02)	1.40 (0.94-2.30)
a_3	0.93 (0.86-0.99)	0.98 (0.94-1.00)	0.99 (0.96-1.00)	0.99 (0.96-1.00)	0.99 (0.97-1.00)
Urine filtration					
k_0	-2.31 (-2.43--2.18)	-2.31 (-2.43--2.19)	-2.30 (-2.42--2.18)	-2.30 (-2.41--2.17)	-2.30 (-2.42--2.18)
k_1	0.37 (0.34-0.41)	0.37 (0.34-0.41)	0.37 (0.34-0.40)	0.37 (0.34-0.40)	0.37 (0.34-0.40)