

1 **Supplemental Material - Diagnostic Performance of the new version of GenoType**
 2 **MTBDRsl (V2.0) Assay for detection of resistance to Fluoroquinolones and Second Line**
 3 **Injectable Drugs: a Multicenter study.**

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 5 **Supplementary Table S1** Performance of GenoType®MTBDRsl V2.0 assay as compared to
 6 phenotypic DST to ofloxacin on 226 clinical isolates and to moxifloxacin on 97 clinical isolates.
 7 OFL: ofloxacin; MOXI: moxifloxacin; CI: Confidence Interval; DST: Drug susceptibility
 8 testing; PPV: positive predictive value; NPV: negative predictive value.

OFL	Phenotypic DST	
	%	(95% CI)
Sensitivity	84.7	(74.7, 91.2)
Specificity	100	(97.6, 100)
PPV	100	(94.1, 100)
NPV	93.3	(88.5, 96.3)
Likelihood ratio pos	Undefined	Undefined
Likelihood ratio neg	0.153	(0.13 - 0.18)
Diagnostic Accuracy	95.1	(91.5, 97.3)

MOXI	Phenotypic DST	
	%	(95% CI)
Sensitivity	90.0	(69.9, 97.2)
Specificity	97.4	(91.0, 99.3)
PPV	90	(69.9, 97.2)
NPV	97.4	(91.0, 99.3)
Likelihood ratio pos	34.7	(12.9, 93.5)
Likelihood ratio neg	0.103	(0.03 - 0.27)
Diagnostic Accuracy	95.9	(89.9, 93.4)

10 **Supplementary Table S2** Performance of GenoType®MTBDRsl V2.0 assay as compared to
 11 phenotypic DST to ofloxacin on 228 clinical specimens, to levofloxacin on 53 clinical specimens
 12 and to moxifloxacin on 25 clinical specimens. OFL: ofloxacin; LEVO: levofloxacin, MOXI:
 13 moxifloxacin; CI: Confidence Interval; DST: Drug susceptibility testing; PPV: positive
 14 predictive value; NPV: negative predictive value.

OFL	Phenotypic DST	
	%	(95% CI)
Sensitivity	92.9	(83.0, 97.2)
Specificity	97.7	(94.3, 99.1)
PPV	92.9	(83.0, 97.2)
NPV	97.7	(94.3, 99.1)
Likelihood ratio pos	39.9	(24.4, 65.4)
Likelihood ratio neg	0.07	(0.04, 0.119)
Diagnostic Accuracy	96.5	(93.2, 98.2)

LEVO	Phenotypic DST	
	%	(95% CI)
Sensitivity	100	(67.6, 100)
Specificity	91.1	(79.3, 96.5)
PPV	66.7	(39.1, 86.2)
NPV	100	(91.4, 100)
Likelihood ratio pos	11.3	(6.89, 18.4)
Likelihood ratio neg	0	(0.0, "?")
Diagnostic Accuracy	92.5	(82.1, 97.0)

MOXI	Phenotypic DST	
	%	(95% CI)
Sensitivity	100	(78.5, 100)
Specificity	90.9	(62.3, 98.4)
PPV	93.3	(70.2, 98.8)
NPV	100	(72.3, 100)
Likelihood ratio pos	11	(1.55, 78.1)

Likelihood ratio neg	0	(0.0, ?)
Diagnostic Accuracy	96.0	(80.5, 99.3)

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