

# Mycobacteriology PT – March 2006

## Sample preparation (strains used): Susceptibility

### SAMPLE # SUSCEPTIBILITY TESTING (*M. tuberculosis* complex)

IS 0641 Mono resistant INH; *katG* mutation Ser315Thr. (IS250111)  
 IS 0642 Mono resistant INH; *katG* mutation Ser315Thr. (IS250111)  
 IS 0643 Susceptible to all five first-line drugs. (ATCC 25177)

### SAMPLE # SUSCEPTIBILITY (*M. tuberculosis* complex)

SP 0622 *M. tuberculosis*, Susceptible to all five first-line drugs (ATCC 25177).  
 SP 0623 *M. tuberculosis*, Susceptible to all five first-line drugs (ATCC 25177).  
 SP 0625 *M. tuberculosis*, Susceptible to all five first-line drugs (ATCC 25177).

## Susceptibility Results [IV]

		IS 0641			IS 0642			IS 0643			SP 0622			SP 0623			SP 0625			
Category	Antibiotic	Susceptible	Resistant	Not Done	Susceptible	Resistant	Not Done	Susceptible	Resistant	Not Done	Susceptible	Resistant	Not Done	Susceptible	Resistant	Not Done	Susceptible	Resistant	Not Done	
Restricted-S (N=2)	SM	2			2			2			2			2						2
	INH		2			2		2			2			2						2
	RIF	2			2			2			2			2						2
	EMB	2			2			2			2			2						2
	PZA			2			2			2			2			2				2
General-S (N=22)	SM	22			22			20	1*		19		3	21		1	4			18
	INH		22			22		22			19		3	21		1	4			18
	RIF	22			22			22			19		3	21		1	4			18
	EMB	22			22			22			19		3	21		1	4			18
	PZA	19		3	19		3	17	1	4	16		6	18		4	4			18
Reference (N=11)	SM	10		1	10		1	7	1*	3	5	1*	5	4	1	6	3			8
	INH		11			11		10		1	8		3	5		6	5			6
	RIF	11			11			10		1	8		3	5		6	5			6
	EMB	11			10	1		10		1	7		4	4		7	5			6
	PZA	11			11			8	1	2	7		4	5		6	4			7

\* Low level resistance only