

Test done: 06.18.16

Test reported: 06.22.16

Project # 16019120

3% Path-Away

EPA DIS/TSS-10 METHOD

Organism: Escherichia coli ATCC 25922
Salmonella typhimurium ATCC 14028

Sample: Path-Away (3%)

Contact time: 0 min and 5 min

Inoculum concentration: 1.0×10^6 cfu/ml

Amount of inoculum used: 0.02 ml

Incubator (dry time): 40 min @ 35°C

Volume sample used: 0.02 ml

Volume of TSB: 5 ml

Volume plated: 1 ml and 0.1 ml

Replicates: 3 for each contact time

Incubation time: 24 hrs @ 35°C

Results for E.coli ATCC 25922:

Sample	Contact time	
	0 min (cfu/ml)	5 min (cfu/ml)
Control without Path-Away	1.2 x 10 ⁴	1.5 x 10 ⁴
	1.0 x 10 ⁴	1.7x 10 ⁴
	1.7 x 10 ⁴	1.7 x 10 ⁴
With Path-Away	NG	NG
	NG	NG
	NG	NG

*NG: No Growth

Results for Salmonella typhimurium ATCC 14208:

Sample	Contact time	
	0 min (cfu/ml)	5 min (cfu/ml)
Control without Path-Away	1.0 x10 ³	1.0 x10 ³
	1.0 x10 ³	2.0 x10 ³
	1.0 x10 ³	1.0 x10 ³
With Path-Away	NG	NG
	NG	NG
	NG	NG

*NG: No Growth

DIRECT INOCULATION METHOD:

Organism: Escherichia coli ATCC 25922
Salmonella typhimurium ATCC 14028

Sample: Path-away (3%)

Contact time: Immediate (0 min)

Inoculum concentration: 1.0×10^6 cfu/ml

Amount of inoculum used: 1 ml

Volume sample used: 0.02 ml

Volume plated: 1 ml

Incubation time: 2 days @ 35°C

Replicates: 3 replicates per organism

RESULTS (GROWTH/NO GROWTH) for E.coli ATCC 25922:

Inoculum concentration	Sample	
	Control	Path-away
1.0×10^6 cfu/ml	Growth	No Growth
	Growth	No Growth
	Growth	No Growth

RESULTS (GROWTH/NO GROWTH) for Salmonella typhimurium ATCC 14028:

Inoculum concentration	Sample	
	Control	Path-away
1.0×10^6 cfu/ml	Growth	No Growth
	Growth	No Growth
	Growth	No Growth

DIRECT INOCULATION TUBE TEST METHOD

Organism: Salmonella typhimurium ATCC 14028

Sample: Path-away (3%)

Contact time: Immediate (0 min)

Inoculum concentration: 1.0×10^6 cfu/ml

Amount of Inoculum used: 1 ml

Volume sample used: 1 ml

Volume plated: 1 ml

Incubation time: 2 days @ 35°C

Replicates: 3 replicates per organism

Inoculum	Sample	
	Control	Path-Away
1.0×10^6 cfu/ml	Growth	No Growth
1.0×10^6 cfu/ml	Growth	No Growth
1.0×10^6 cfu/ml	Growth	No growth

Analyst: Manju Pradeep



Date: 06.22.16

Reviewed By: Suzanne Blevins



Date: 06.22.16