



## Certifications

Midwest Laboratories follows rigorous Quality Control specifications set forth by the reference methods we perform and by our Accreditation Bodies. Our QC department is heavily involved in daily operations including employee onboarding, quality training, investigation of OOS results, client complaint investigation, process improvement, and so much more.

ISO/IEC 17025:2017



Biological & Chemical

Testing Cert. #2853.01/02

**Bacillus subtilis**

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	42,000,000	cfu/mL	10	FDA III
Ceramic Tile	30	cfu/sponge	10	FDA III
Porcelain	n.d.	cfu/sponge	10	FDA III
Plastic	330	cfu/sponge	10	FDA III
Stainless Steel	550	cfu/sponge	10	FDA III
Glass	170	cfu/sponge	10	FDA III

**Escherichia coli**

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	2,000,000	cfu/mL	10	FDA IV
Ceramic Tile	n.d.	cfu/sponge	10	FDA/3M (AOAC 991.14 17TH ED.)
Porcelain	n.d.	cfu/sponge	10	FDA/3M (AOAC 991.14 17TH ED.)
Plastic	n.d.	cfu/sponge	10	FDA/3M (AOAC 991.14 17TH ED.)
Stainless Steel	n.d.	cfu/sponge	10	FDA/3M (AOAC 991.14 17TH ED.)
Glass	10	cfu/sponge	10	FDA/3M (AOAC 991.14 17TH ED.)

**Listeria innocua**

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	400,000,000	cfu/mL	10	FDA III
Ceramic Tile	400	cfu/sponge	10	FDA III
Porcelain	300	cfu/sponge	10	FDA III
Plastic	10	cfu/sponge	10	FDA III
Stainless Steel	10	cfu/sponge	10	FDA III
Glass	20	cfu/sponge	10	FDA III

**Pseudomonas aeruginosa**

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	1,020,000,000	cfu/mL	10	FDA III
Ceramic Tile	n.d.	cfu/sponge	10	FDA III
Porcelain	20	cfu/sponge	10	FDA III
Plastic	10	cfu/sponge	10	FDA III
Stainless Steel	39,800	cfu/sponge	10	FDA III
Glass	290	cfu/sponge	10	FDA III

**Salmonella enterica**

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	589,000,000	cfu/mL	10	FDA III
Ceramic Tile	n.d.	cfu/sponge	10	FDA III
Porcelain	30	cfu/sponge	10	FDA III
Plastic	n.d.	cfu/sponge	10	FDA III
Stainless Steel	n.d.	cfu/sponge	10	FDA III
Glass	n.d.	cfu/sponge	10	FDA III

### Staphylococcus aureus

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	140,000,000	cfu/mL	10	FDA XII
Ceramic Tile	n.d.	cfu/mL	10	FDA XII
Porcelain	30	cfu/mL	10	FDA XII
Plastic	n.d.	cfu/mL	10	FDA XII
Stainless Steel	40	cfu/mL	10	FDA XII
Glass	10	cfu/mL	10	FDA XII

### Enterobacter aerogenes

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	139,000,000	cfu/sponge	1	3M PETRIFILM
Ceramic Tile	1,400	cfu/sponge	1	3M PETRIFILM
Porcelain	n.d.	cfu/sponge	1	3M PETRIFILM
Plastic	1,900	cfu/sponge	1	3M PETRIFILM
Stainless Steel	30	cfu/sponge	1	3M PETRIFILM
Glass	n.d.	cfu/sponge	1	3M PETRIFILM

### Candida tropicalis

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	16,700,000	cfu/g	10	FDA XVIII
Ceramic Tile	n.d.	cfu/g	10	FDA XVIII
Porcelain	n.d.	cfu/g	10	FDA XVIII
Plastic	n.d.	cfu/g	10	FDA XVIII
Stainless Steel	n.d.	cfu/g	10	FDA XVIII
Glass	n.d.	cfu/g	10	FDA XVIII

### Enterococcus faecalis

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	340,000,000	cfu/mL	10	FDA III
Ceramic Tile	n.d.	cfu/mL	10	FDA III
Porcelain	150	cfu/mL	10	FDA III
Plastic	n.d.	cfu/mL	10	FDA III
Stainless Steel	80	cfu/mL	10	FDA III
Glass	210	cfu/mL	10	FDA III

### Aspergillus oryzae

Analysis	Level Found	Units	Detection Limit	Method
Initial Level	2,600	cfu/mL	10	FDA XVIII
Ceramic Tile	10	cfu/mL	10	FDA XVIII
Porcelain	n.d.	cfu/mL	10	FDA XVIII
Plastic	n.d.	cfu/mL	10	FDA XVIII
Stainless Steel	n.d.	cfu/mL	10	FDA XVIII
Glass	n.d.	cfu/mL	10	FDA XVIII