

Outback (FF) and Outback-Plus (NF) Testing

Understanding and Evaluating Product Test Results

When comparing the test results of any water products there are two important issues to consider to make sure you are not making an "apples to oranges" comparison. First, was the same type of test water used when testing both products? Were the tests conducted using distilled water, GTW-1 or NSF/EPA recommended test water specifications such as GTW-3? Changing the chemistry of the test water (increasing pH, TOCs, TDS, and temperature extremes) makes contaminant removal more difficult. GTW-3 testing protocol (used to test Outback products) presents the highest challenge.

The Variety of Test Water Specifications						
Water Type	Temp (°C)	pH	Chlorine (mg/L)	Turbidity (NTU)	TOC (mg/L)	TDS (mg/L)
Distilled	Room	6.8 - 7.0	ND ¹	0	0	0
GTW 1	20 ± 5	6.5 - 8.5	ND	0.1 - 5.0	0.1 - 5.0	50 - 500
GTW 3	4 ± 1	9.0 ± 0.2	ND	>30	≥10	1500 ± 150

¹Non Detected

The second critical testing parameter has to do with flow. Was the product tested (as are the Outback Systems) through a series of on/off cycles (the more challenging 'real world' application) or with a simple continuous flow of test water?

The difference between the Outback-Plus (NF Systems) and other gravity-powered products is that the **Outback-Plus meets all three EPA microbiological requirements of a water purifier** - it's not just a water filtration system. To achieve this distinction a system must meet the following EPA requirements: Bacteria reduction of 99.999%, Cysts reduction of 99.99% and Virus reduction of 99.9%. The Outback-Plus did that and more...

Outback-Plus Test Results*

Contaminant	Reduction
Bacteria Reduction	99.9999%
Cyst Reduction	99.99%
Virus Reduction	99.99%

In areas where virus is not a concern but where other contamination should be removed from the water the Outback is the ideal solution. As with the Outback-Plus system, The Outback (FF) is tested using the more stringent GTW-3 protocol with a cycled flow and removes contaminants with tremendous results...

Outback Test Results*

Contaminant	Reduction
Bacteria Reduction	>99.9%
Cyst Reduction	>99.999%

*Testing conducted by:

AQUADIAGNOSTICS - Recognized by Water Quality Association - USA, NABL Accredited & KSPCB Empanelled Laboratory
BioVir Laboratories, Inc - Accredited by WQA Drinking Water Treatment Unit, ELAP (California Environmental Laboratory Accreditation), California Drinking Water treatment Unit Approved Testing Facility, EPA LT2 Crypto Approved Status, EPA Information Collection Rule Approval for Virus and Protozoan Testing.

**Copies of individual Test Results are available upon request.