

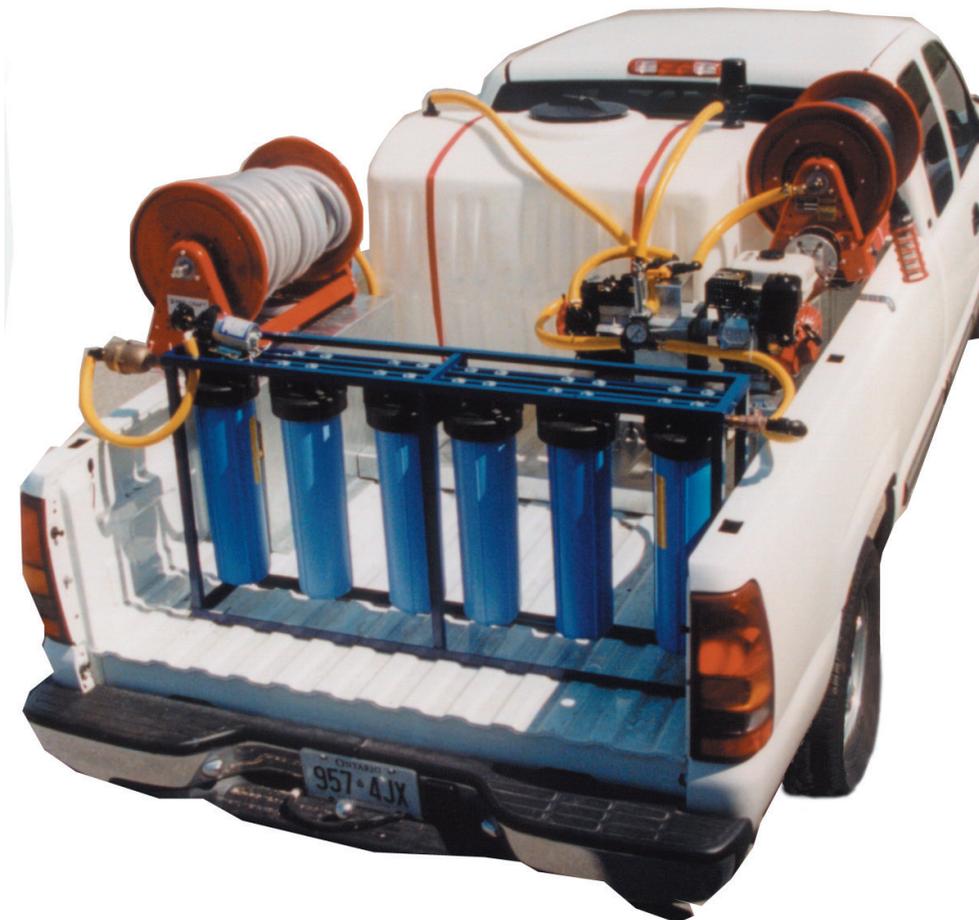
**IOTEX™**  
**Anti-Infection Products Inc.**

IOTEX™: Mobile Water Purification System

Defeat Cholera from the back of a Pick-up Truck\*

-System includes:

- Water purification and water filtration integrated with a 1300-litre (330 US gal.) holding tank
  - Nano-technology used to maintain water purification in the holding tank
  - System tested at  $1 \times 10^7$  of pathogenic bacteria/ml
  - Purification includes all tested biological pathogens
  - 4000-litres (1000-US gal) of treated water every 90 minutes
  - 4 litres (1US gal.)of gas will provide for 20,000 litres (5000 gal) of treated water
  - Approximately 200,000 litres (50,000 gal) of water can be treated before requiring replacement of the active ingredients
  - It is not necessary to have an engineer operate and maintain the system.
  - The IOTEX™: Mobile Water Purification System costs much less than any comparable system presently being used
  - Shipping weight approximately 275kg (500lbs)
- \*The System is designed to fit on the back of a Ford 150 Pickup Truck



Contact: Ron Diamond 514-931-4877

344 Bloor Street West, Suite 201  
Toronto, M5S 2M1

AUG 13/93

To: Stuart and Miller  
Re: Water Treatment System Evaluation ( 1500 gallon capacity  
cartridge). Taste and Odour ATC; Trade Name:  
Passport : 1-B12

---

Material: Water Treatment System  
1500 Gallon Water  
20 Gallon Container  
Live Organisms of Escherichia coli  
Pseudomonas aeruginosa  
Enterococcus faecalis  
Staphylococcus aureus  
Klebsiella pneumoniae  
Enterobacter aerogenes  
Proteus mirabilis and  
Candida albicans  
Salmonella species  
Shigella flexneri  
Sterile Conical Tubes  
Bacteriological Media: 5% Sheep Blood Agar  
Mac Conkey  
CLED Agar  
Incubator at 35°C  
Sterile pipettes

This water treatment system is designed to treat up to 1500 gallons of raw untreated water and this situation was simulated by contaminating a water reservoir with a mixture of bacterial growth yielding the final contamination concentration of  $10^7$  live organisms per mL.

100 Ml samples were collected after each ten gallons. Each sample was centrifuged and 1 mL of the sediment was inoculated onto 5% Sheep Blood Agar, 1 mL onto MacConkey Agar, and 1 mL onto Cled Agar. The system was evaluated for possible bacterial growth through pour plate method of inoculation and the plates were held in the incubator for up to five days prior to their discarding as negative only when no growth occurred.

Cultures from samples taken yielded no growth. Even after 1500 gallons when the last sample was collected the final culture confirmed to a negative result with no growth after five days of incubation.

Observation: The flow of treated water was at 1 gallon per minute and remained constant throughout the test.

Performance: Over all, the test satisfied the criteria of bacteria free water yielding drinkable water with no odour or any remarkable after taste.

Examined by: J. Weinwurm, B. Sc., ART, Consulting Microbiologist

