

CARON CHAMBERS FEATURED IN ARTICLES

American Society for Microbiology's Journal of Virology features Caron's Environmental Chambers

Scientists from Mount Sinai School of Medicine use Caron's 30 cu. ft. (model 6030) Environmental Test Chamber for multiple studies on influenza. The findings appear in the American Society for Microbiology's Journal of Virology (<http://www.journals.asm.org>).

The two studies, titled "High Temperature (30°C) Blocks Aerosol but Not Contact Transmission of Influenza Virus," and "Oseltamivir-Resistant Influenza A Viruses Are Transmitted Efficiently among Guinea Pigs by Direct Contact but Not by Aerosol," provide researchers with insight on how high relative humidity and temperature and other outside factors affect the spread of the influenza virus.

The first article ([click here to read full article](#)), published in June 2008, provides scientists and researchers alike with the findings that the influenza virus acts differently in tropical regions than in temperate zones because tropical regions do not have seasons. In tropical regions, influenza efficiently spreads by contact, but does not transmit through air because of the high relative humidity and temperature present all year.

"Humidity and temperature affect the efficiency in which influenza transmits," said Dr. Anice Lowen, assistant professor in the Department of Microbiology. "We don't really understand how both of these conditions effect transmissions, but we do understand why it [influenza] normally comes in the wintertime. There is still more to be done."

Dr. Lowen has studied influenza for approximately four years. Her studies initiated after the H5N1 outbreaks in Asia. She performed the two studies in conjunction with Dr. Nicole M. Bouvier and Dr. Peter Palese at Mount Sinai School of Medicine.

"The condition in Asia made it clear that just because influenza infects people, it doesn't spread

to other contacts," Dr. Lowen said. "This situation raised many questions: What viruses can transmit and why? What factors play a role? A lot of people in the field gained an interest in transmission during this time."

The later article, ([click here to view full article](#)) was published in October 2008. The findings show oseltamivir-resistant varieties of influenza are kept from spreading simply by the absence of contact.



"We know we need to control certain conditions [temperature and humidity] in the Environmental Test Chambers," Dr. Lowen said. "Then, we perform the tests and we change variables that produce different results and can prove the effect is because of a mutation we have made."

Dr. Lowen has used two Caron model 6030's for three years and is satisfied with the reliable results she receives.

"They do a good job to maintain temperature and humidity and are a nice size for what we are doing," Dr. Lowen explained. "They are simple to use and low maintenance."

Dr. Lowen and her team of researchers will continue to study influenza with the help of Caron's Environmental Chambers to learn more about the transmission of the H1N1 virus.

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SERVICE & QUALITY DEPARTMENT UPDATES

Caron is now accepting all major credit cards, including: Visa, Master Card and American Express.



"Our goal is to continually provide the best service for our customers," said Jim Lang, director of Service & Quality. "Now that we have the ability to accept all major credit cards, our customers can purchase parts and accessories quickly and securely, without the hassle of creating and faxing a purchase order."



Caron's decision to add the American Express card for business transactions came because of requests from businesses that solely use American Express credit cards.

Credit card transactions will speed-up the purchasing process for Caron's customers.

"The last thing we want is the buying process to be an unpleasant experience," Lang said. "We are more than happy to accept our customers card of choice and always encourage customers to give us feedback on our services."

UPCOMING SHOWS AND EVENTS IN 2010

Join Caron at one of the several trade shows planned for 2010. Caron's trade show schedule will give customers the chance to stop by Caron's booth, speak with sales managers, see equipment and demonstrations. This year, Caron is scheduled to exhibit at five national shows, including: NCI Frederick/Ft. Detrick, NIH Spring Research Festival, American Society for Microbiology (ASM), International Association for Identification (IAI) and American Society of Pharmaceutical Scientist (AAPS).

NCI Ft. Detrick	Fort Detrick, MD	May 5-6, 2010
NIH Spring Festival	Bethesda, MD	May 12-13 2010
110 th ASM	San Diego, CA	May 24-26 2010
95 th IAI	Spokane, WA	July 12-15 2010
AAPS 2010	New Orleans, LA	November 14-18, 2010

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\$1000 FACTORY REBATE OFFERED AS A STIMULUS PLAN

Caron is doing its part to contribute to the economic recovery by offering a program called "Cash for LAB Clunkers" in the US and Canada.



This stimulus plan offers customers a \$1,000 factory rebate when they buy Caron's new 25 cu. ft. "earth-friendly" Environmental Test Chamber and retire their energy inefficient "lab clunker."

"We applauded the government's recent initiative to retire energy wasting old cars and help consumers purchase new fuel efficient models," said Caron Chairman Steve Keiser. "That's the idea behind our clunkers program, and we've got a new environmental chamber that really delivers on energy efficiency!"

Eligible lab clunkers include typical non-Caron environmental test chambers, 20 cu. ft. or larger, that use a 500+ Watt steam generator to produce humidity, require an electrical circuit with more capacity than 115V/20 Amps to operate and waste water by not offering a recycling system.

The goal behind the Cash for LAB Clunkers is not only to provide economic relief to those ready to purchase a new environmental test chamber, but to promote "earth-friendly" technologies to laboratories.

Other environmental chambers waste energy, but the Model 6020 uses new Caron technologies, including **gROD™** and **gVapor™** to efficiently manage power consumption and lower operating costs.

After a customer orders a new Caron 25 cu. ft. Environmental Test Chamber, they will fill out an application for the \$1,000 rebate and send it back with a photograph and the serial number tag of the unit they are retiring.

The rebate will be paid to the end user's organization, who must be the legal buyer according to the purchase order. This program began Nov. 1, 2009 and will run until January 31, 2010.

To receive more information and additional details, terms and conditions on the "Cash for LAB Clunkers" program, call Customer Service today at 800-648-3042 or email sales@caronproducts.com.

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