



# HemoGenix®

*Changing the Paradigm*

2011

# Temperature Regulators and Gas Controllers Catalog and Price List

Tissue culture, specialized microscope and imaging products made by PeCon and LaCon GmbH, Germany and distributed exclusively in the U.S.A. and Canada by HemoGenix® Inc

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**Assays** You Can Trust  
**Innovative Expertise** You Can Count On

# HemoGenix®, Inc

## ORDERING INFORMATION and TERMS AND CONDITIONS

PLEASE NOTE: HemoGenix® does not provide trial or sampler kits.

### PLACING AN ORDER:

Prior to placing an order, please read the Pricing and Payment Terms below. **As of January 1, 2011, ALL orders must be prepaid by credit card, check or electronic funds transfer.** HemoGenix® accepts only VISA or MasterCard. HemoGenix® will only accept purchase orders from an institution that has filed a Business Credit Application and agrees with all Terms and Conditions of sale by HemoGenix®. Unless ordering online using the HemoGenix® Online Catalog, for your own financial information and identity protection, please do not send credit card information by e-mail. Credit card orders can be accepted by phone or fax.

To order by telephone using a credit card, please use: 1-719-264-6250.

To order by Fax using a credit card, please use: 1-719-264-6253.

To order by E-mail, please use: info@hemogenix.com.

To order by mail: HemoGenix®  
1485 Garden of the Gods Road, Suite 152  
Colorado Springs, CO 80907  
USA

### All orders must provide the following information:

- Shipping address
- Billing address
- Purchase order number (for credit cards, please see below)
- Catalog number and product description
- Quantity and size of product
- Purchaser's name, telephone number and e-mail address.
- If possible, please also provide the end user's name, telephone number and e-mail address, since HemoGenix® regularly performs quality control checks on their products and would like to ensure that the product is working correctly.

### Credit Card Orders.

HemoGenix® only accepts VISA or MasterCard.

The following information is required for all credit card payments:

- Name of person ordering using a credit card
- Name on credit card

- Credit card address
- Credit card number
- Credit card expiration date
- Credit card security number.

### **PRICING and PAYMENT TERMS for ORDERS from the UNITED STATES**

- All prices are subject to change without notice. Unless a customer has filed a Business Application and agreed to the Terms and Conditions specified by HemoGenix® Inc, all orders must be prepaid by credit card or electronic payment.
- Many products in this Tissue Culture Catalog require Special Order. For orders totalling less than \$1,200.00, a special order shipping fee will be added to the cost of the products as well as additional fees for international taxes and duties. The customer will be advised of the cost of Special Order prior to placing the order with the supplier.
- Special order shipping fees will be waived for all merchandise orders totalling \$1,200.00 or more.
- All international orders must be made directly with HemoGenix®.
- For customers with a pre-approved business application on file, invoices will be generated with payment terms of net fifteen (15) days from the invoice date. The customer will only be charged for shipped orders. Back-ordered products will be charged when shipped.
- Until payment has been received, all products remain the property of HemoGenix®
- If an order is placed and an invoice issued for payment and the customer fails to fulfill the terms of payment, HemoGenix® may without prejudice to any other lawful remedy defer further shipments, and/or cancel any order. A finance charge of 1.5%/month or 18% annually will be levied against invoices not paid by the due date. All finance charges will be calculated from the invoice date.
- The customer will be liable to HemoGenix® for all costs and fees, including attorney's fees, which HemoGenix® may reasonably incur in any actions to collect on the customer's overdue account.
- HemoGenix® does not agree to, and is not bound, by any other terms or conditions, such as terms in a purchase order, that have not been expressly agreed to in writing signed by a duly authorized officer of HemoGenix®
- Customers who have filed a Business Credit Application with HemoGenix® and have failed to fulfill the terms of payment will have their credit downgraded and will be required to prepay all future products.
- No order received by a customer within the United States of America may be resold within the United States of America or shipped internationally for resale.

### **PRICING and PAYMENT TERMS for ALL INTERNATIONAL ORDERS**

- All international orders for tissue culture products must be made directly to HemoGenix®. HemoGenix distributors are not authorized to purchase tissue culture products.
- HemoGenix® will not sell any products to a U.S. or international customer for resale in another country.
- All international orders placed directly with HemoGenix® require pre-payment either by electronic fund transfer or credit card and all payments must be in US dollars.
- If an electronic funds transfer is requested, HemoGenix® will supply the necessary bank information. The purchaser MUST ensure that their bank does not subtract a handling fee from the original invoice amount. If a wire transfer fee is subtracted from the original invoice by the purchaser's bank, no products will be shipped until the correct invoice amount has been sent to HemoGenix®
- For all international orders paid by wire transfer, a wire transfer fee of \$25.00 will be applied to the invoice.

### **Order Acknowledgement**

All orders will be confirmed by an Order Acknowledgement detailing the customer's information, products ordered, shipping, packaging and handling as well as any other Special Order costs associated with the order

that may be incurred on orders received internationally.

## Sales Tax

The customer is responsible for any and all applicable sales, use or similar tax and agrees to indemnify HemoGenix® for any such tax, if not properly paid by the customer. For universities, colleges, governmental institutions etc., a Tax Exempt Form is required upon the first order.

## Shipping (Domestic, within the contiguous United States)

Shipping, packaging and handling costs are prepaid and added to the invoice, unless shipping uses the customer's shipping account information. If products are back-ordered, shipping and handling costs will only be charged on the first shipment. Unless otherwise stated by the customer, HemoGenix® reserves the right to select the packaging and shipping method. Domestic orders will normally be shipped using the cheapest means available unless the items are specialized products, in which case they will be shipped by Federal Express and will include insurance, so that any damage during shipment is covered by the warranty in the Terms and Conditions.

The following handling fees apply to all orders (contiguous U.S., Alaska and Hawaii and international):

- For all orders up to \$149.99, a handling fee of \$30.00 will be added to the invoice.
- For all orders between \$150.00 and \$699.99, a handling fee of \$50.00 will be added to the invoice.
- For all orders greater than \$700.00 and for any kit size, a handling fee of \$80.00 will be added to the invoice.

All tissue culture and luminescence kits are shipped frozen and will require either cold packs or dry ice.

## Replacements, Changes and Cancellations

Changes to an order can be made providing the order has not shipped. Orders may be cancelled at no charge provided that HemoGenix received notice before the order is shipped. No changes and no returns will be accepted after the order has shipped. If an incorrect component has been shipped with an order, HemoGenix® will send the correct component free of all charges, providing the customer notifies HemoGenix® within 24 hours of receipt of the order.

## Limited Warranty

All products are intended for research purposes only. They are not intended for human use. The user is strongly recommended to read the Instruction Manual (if available) thoroughly prior to using any products. HemoGenix® will not take any responsibility for any tissue culture product that has not been used according to the enclosed Instruction Manual. If a tissue culture product is found to be unsatisfactory, it is recommended to call HemoGenix® immediately. HemoGenix® will contact the supplier. If the product is found to be defective, it will be replaced. HemoGenix® disclaims any and all responsibility for any injury or damage that may be caused by the failure of the buyer or any other person to use these products in accordance with the conditions stated in the manuals provided with the products.

THE WARRANTY CONTAINED IN THIS SECTION IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BUYER'S SOLE AND EXCLUSIVE REMEDY ON ANY CLAIM OF ANY KIND FOR ANY LOSS OR DAMAGE ARISING OUT OF OR IN ANY WAY RELATED TO THE MANUFACTURE, SALE, DELIVERY OR USE OF THE PRODUCTS SHALL BE AS PROVIDED HEREIN AND SHALL IN NO CASE EXCEED THE LESSER OF THE COST OR REPLACEMENT. HemoGenix®, Inc SHALL NOT BE LIABLE IN CONTRACT OR IN TORT TO BUYER OR ANY OTHER PERSON FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES WITH RESPECT TO HemoGenix® OBLIGATIONS HEREUNDER, SUCH AS, BUT NOT LIMITED TO, DAMAGE TO, LOSS OF, OR LOSS

OF THE USE OF OTHER PROPERTY OR EQUIPMENT, LOSS OF PROFITS OR REVENUES OR CLAIMS OF BUYER FOR LOSSES OF ANY KIND. This warranty is non-transferable and non-assignable and may be enforced only by the buyer. HemoGenix® Inc gives no warranty whatsoever with respect to components with a limited technical lifetime.

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# **Electrical Units: Temperature Regulators and Gas Controllers**

## TEMPERATURE CONTROL MINI

### DESCRIPTION

- Temperature regulator specially designed for the control of Objective Heaters with one channel.
- The temperature of the Objective Heater is set between 35 and 40°C by an adjusting knob.
- An analog PID closed loop control compares the real temperature with the setpoint value and regulates the heating intensity of the Objective Heater.
- An overload protection is activated if the current consumption of the connected component is too high.

### REQUIREMENTS

none

### COMPATIBILITY

- Objective Heaters





## TEMPCONTROL 37-ANALOG 1 CHANNEL

### DESCRIPTION

- Temperature regulator with one channel for the universal operation of many heated components of the manufacturer.
- The actual temperature of the connected device is displayed at the front panel.
- An analogue PID closed loop control compares the real temperature with the setpoint value and regulates the heating intensity of the heated unit.
- The front display shows the setpoint value after the activation of a switch. A turning knob with a locking mechanism is used to set the setpoint value.
- Tempcontrol 37 is recommended if only one heated component is used. When using more than one component, the Tempcontrol 37-2 digital with two independent channels is required.



### REQUIREMENTS

none

### COMPATIBILITY

This unit can be used to control all of our components with heating elements (1 component only), for example:

- Heating Stages
- Heating Insert P
- Heating Insert M06-96
- Heatable Universal Mounting Frame M series
- Heatable Universal Mounting Frame K series
- Heatable Universal Mounting Frame LQ-H or LQH-L
- Objective Heaters
- Heating Workplates
- CTI-Controller 3700 digital

**NOT compatible with the Heating Unit.**

## TEMPCONTROL 37-2 DIGITAL 2 CHANNEL

### DESCRIPTION

- Temperature regulator with two independent channels for the universal operation of many two components of the manufacturer.
- The actual temperatures of the two connected heating devices are simultaneously displayed at the front panel.
- A digital PID closed loop control compares the real temperature with the setpoint value (one for each channel) and regulates the heating intensity of the respective unit.
- Each channel can be individually switched-on or off.
- Different parameter sets allow the change of PID closed loop control parameters to enable an adaption to different heating components, e.g. the Heating Unit.
- A serial RS232-interface and the supplied software enables the remote control of the unit by a PC.



### REQUIREMENTS

none

### COMPATIBILITY

This unit can be used to control all of our components with heating elements (2 components independently), for example:

- Heating Stages
- Heating Insert P
- Heating Insert M06-M96
- Heatable Universal Mounting Frame M series
- Heatable Universal Mounting Frame K series
- Heatable Universal Mounting Frame LQ-H or LQH-L
- Objective Heaters
- Heating Workplates
- CTI-Controller 3700 digital
- Heating Unit

## CO<sub>2</sub> CONTROLLER

### DESCRIPTION

- CO<sub>2</sub>-control device to generate a CO<sub>2</sub>-air mixture with an adjustable CO<sub>2</sub>-concentration, replacing expensive premixed CO<sub>2</sub> gases in cylinders. Pure CO<sub>2</sub> from an external source (e.g. gas cylinder) is fed into an internal mixing chamber where two fans provide an optimal CO<sub>2</sub> dispersion.
- The CO<sub>2</sub>-concentration in the chamber is permanently monitored by an I.R. absorption based CO<sub>2</sub>-sensor and displayed at the front of the unit. A digital PID closed loop control checks the CO<sub>2</sub>-concentration and regulates the amount of CO<sub>2</sub>, that is fed into the mixing chamber.
- The CO<sub>2</sub>-air mixture is taken from the chamber by an adjustable double membrane pump and is pumped through a CO<sub>2</sub>-proof tubing to one of the small incubation tools (see requirements).
- To enrich the CO<sub>2</sub>-air mixture with humidity, the Humidifier (2) is supplied.
- A serial RS232-interface and the supplied software enables the remote control of the unit by a computer.



### SCOPE OF DELIVERY

- CO<sub>2</sub>-Controller
- Humidification bottle (with inlet + outlet)

### REQUIREMENTS

- CO<sub>2</sub>-Cover MH, or
- CO<sub>2</sub>-Cover KH, or
- CO<sub>2</sub>-Cover HP, or
- CO<sub>2</sub>-Cover HM
- Heatable CO<sub>2</sub>-Cover and Heating Frame

### COMPATIBILITY

- Large incubators
- CO<sub>2</sub>-covers

## O<sub>2</sub> CONTROLLER

### DESCRIPTION

- A special incubation system for the control and reduction of the oxygen concentration besides the control of temperature and CO<sub>2</sub>-concentration. The O<sub>2</sub> content is reduced by displacement with nitrogen. The system monitors the O<sub>2</sub>-concentration with a zirconiumoxide sensor, an analogue PID closed loop control adds nitrogen via a piezo controlled valve into the circulating air stream. This continuous nitrogen flow gives a very homogeneous oxygen distribution with lowest control tolerances. Specially sealed components minimize the nitrogen consumption of the incubation system.
- The nitrogen fed into the incubation system is humidified by a supplied Humidifier (3) to increase the relative humidity inside the system. Because of the strong drying effect of nitrogen, the use of FoilCovers is recommended.
- **The incubation system is only available as a complete package. Please contact HemoGenix®**
- The system consists of the following specially selected components:
  - O<sub>2</sub>-Controller
  - Heating Insert P
  - Incubator S Oxygen (like Incubator S, but sealed and without bypass valve)
  - CTI-Controller 3700 digital (please contact HemoGenix®)
  - Tempcontrol 37-2 digital



Every Incubation System O<sub>2</sub>-CO<sub>2</sub>-°C is individually tested in our labs for compatibility and efficiency.

### REQUIREMENTS

none

### COMPATIBILITY

- Incubation System O<sub>2</sub>-CO<sub>2</sub>-°C

PLEASE CONTACT HemoGenix® FOR MORE INFORMATION,  
QUOTE AND ORDERING

## Electrical Units: Temperature Regulators and Gas Controllers

Catalog No.	Product	Number	Price
504.000	Temperature Control Mini	1	\$1,395.00
115.000	Tempcontrol 37-1 Analog 1 Channel	1	\$2,715.00
503.000	Tempcontrol 37-2 Digital 2 Channel	1	\$3,615.00
506.000	CO <sub>2</sub> Controller	1	\$8,275.00



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## HemoGenix<sup>®</sup> Contact Information

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Colorado Springs, Colorado 80907  
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Fax: (719) 264-6253

E-mail: [info@hemogenix.com](mailto:info@hemogenix.com)

Website: [www.hemogenix.com](http://www.hemogenix.com)

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