

# Isolated Organ and Tissue

## *HSE-Harvard Isolated Heart Size 3 for Rat and Guinea Pig*

### Catalog No. Product

#### Stimulator for Constant Heart Rate:

CGS 8167.73	Coaxial Stimulation Electrode
CGS 8168.73	Holder with Ball Joints for Stimulation Electrode
CGS 8169.73	Stimulator P

#### Alternatively to CGS 8169.30

If Isoheart Computer Control and Data Acquisition Software is installed, PLUGSYS PSM Module can be used for stimulation:

CGS 8170.73	PSM PLUGSYS Programmable Stimulator Module
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#### Data Acquisition and Evaluation of Complete System by Process Controller:

CGS 8171.73	HSE-Harvard Data Acquisition Hardware, PLUGSYS Version for WIN 95/98 OR NT
CGS 8172.73	HSE-Harvard ISOHEART Software for Isolated Heart for WIN 95/98/NT

#### Option: For Controlling PPCM and PSM Via Software:

CGS 8173.73	DIM-D PLUGSYS Digital Bus Link for DIM Module
<b>Descontinuado</b> CGS 8174.73	Software Module for PSM Control for WIN 95/98 or NT

#### Option for Time Controlled Sequence:

CGS 8175.73	Control Model Perfstep for Isoheart, for WIN 95/98/NT (Customized Control Versions Available Upon Request)
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#### Recording System:

CGS 8176.73	ROM-A+C PLUGSYS Recording Output Standard Set
CGS 8177.73	HSE-Harvard Oscillographic Thermo Recorder MARK VII-C6
CGS 8178.73	Option on MARK VII and MARK VII-C for 10:1 Chart Speed Reduction

### Catalog No. Product

#### PLUGSYS Module Required for Recording dLVP/dt:

CGS 8179.73	DIF PLUGSYS Differentiator Module
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#### PLUGSYS Module Required for Recording Heart Rate:

CGS 8180.73	HRM PLUGSYS Heart Rate Module with ECG Amplifier
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#### Apparatus for Isolated Heart Size 3 (Guinea Pigs, Rats) to Work On Retrograde Perfusion Under Constant Flow Condition (Langendorff Preparation)

#### Same Apparatus as for Retrograde Perfusion Under Constant Pressure with Following Addition:

CGS 8181.73	Constant Flow Option on Basic Unit
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**Note:** This option can only be used together with Basic Setup as for Retrograde Perfusion Under Constant Pressure. Equipment for Coronary Flow Measurement no longer needed.

#### Apparatus for Isolated Heart Size 3 Working Heart (According to Neely) (Guinea Pigs, Rats)

#### Same Apparatus as for Retrograde Perfusion Under Constant Pressure with Following Additions:

CGS 8182.73	Working Heart Option on Basic Unit
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**Note:** This option can only be used together with Basic Setup as for Retrograde Perfusion Under Constant Pressure.

#### Measurement of Aortic/Afterload Pressure

Pressure Transducer for Perfusion Pressure in Retrograde Perfusion System measures aortic pressure in Working Heart System, no additional transducer needed.

#### Measurement of Preload Pressure:

<b>Descontinuado</b> CGS 8183.73	Pressure Transducer P75, Range -75 to +75 mmHg
<b>Descontinuado</b> CGS 8240.73	Three-Way Stopcock
<b>Descontinuado</b> CGS 8236.73	One-Way Stopcock
CGS 8237.73	TAM-A PLUGSYS Transducer Amplifier Module