

# VELP (ECODryBlock) Dry Block Heaters



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# (ECODryBlock) Dry Block Heaters

Modular and digital dry block heater designed for accurate sample heating, supporting a wide range of applications in Life Science and Environmental laboratories.

ECODryBlock is a modular, digital, and precise dry block heater designed for sample preparation, incubation, DNA denaturation, enzymatic reactions, culture media tests, and COD analysis.

## One Modular System

- A single ControlPad manages up to two heating Modules, each with space for up to 2 small aluminum blocks (76 x 51 x 95mm) or 1 big aluminum block (152 x 51 x 95mm)
- Set independent timers and temperatures (up to 165°C) on each Module
- A wide range of interchangeable aluminum blocks, designed to accommodate different types of vials, tubes, and cuvette

## Uniform, Stable, and Controlled Conditions

- The transparent cover creates a warm air jacket that minimizes heat loss and ensures uniform temperature distribution
- External probes (Pt100 and Pt1000) enable precise monitoring and control directly within the block or the sample vessel
- Possibility to set different temperatures on each Module, effectively working as two dry baths in one

## Advanced User Experience

- Equipped with a 7" capacitive touch screen with chemical-resistant glass surface
- Modern, user-friendly interface for quick parameter setting and intuitive operation
- Engineered for durability, with a 3-year warranty



CG-1991-V-01



CG-1991-V-24



CG-1991-V-04



CG-1991-V-01X

Item Number	Description		Price	
<b>CG-1991-V-01</b>	ECODryBlock System	115-230V	<b>\$1,450.00</b>	*
<b>CG-1991-V-24</b>	ECODryBlock System, COD 24	115-230V	<b>\$1,665.00</b>	*
<b>CG-1991-V-04</b>	ECODryBlock System, COD 4	115-230V	<b>\$1,750.00</b>	*
<b>CG-1991-V-01X</b>	ECODryBlock, No ControlPad	115-230V	<b>\$800.00</b>	*

CG-1991-V-24 includes CG-1991-V-204 & CG-1991-V-132  
 CG-1991-V-04 includes CG-1991-V-133  
 CG-1991-V-01X requires CG-1991-V-135 Junction Kit

## Blocks For Round Bottom Test Tubes

Commonly used for general laboratory heating tasks, such as preparing solutions, dissolving substances, or incubating samples in routine chemical and biological analyses.

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
<b>CG-1991-V-100</b>	Round bottom tubes (6mm)	Ø 8.3	30	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-101</b>	Round bottom tubes (10mm)	Ø 10.7	24	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-102</b>	Round bottom tubes (12/13 mm)	Ø 13.9	16	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-103</b>	Round bottom tubes (12/13 mm)	Ø 13.9	20	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-104</b>	Round bottom tubes (15/16 mm)	Ø 17.5	12	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-105</b>	Round bottom tubes (17/18 mm)	Ø 19.1	12	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-106</b>	Round bottom tubes (20 mm)	Ø 21	8	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-107</b>	Round bottom tubes (25 mm)	Ø 26.2	6	48.4	<b>\$198.00</b>	*
<b>CG-1991-V-108</b>	Round bottom tubes (35 mm)	Ø 35	4	47.6	<b>\$198.00</b>	*



CG-1991-V-100



### Blocks For Microcentrifuge Tubes

Designed for small-volume samples, typically employed in molecular biology and biochemistry for DNA, RNA, or protein preparation and analysis.

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
<b>CG-1991-V-109</b>	PCR tubes (0.5mL)	Ø 7.9	30	27.6	<b>\$198.00</b>	*
<b>CG-1991-V-110</b>	Microcentrifuge tubes (1.5mL)	Ø 11.5	20	36.9	<b>\$198.00</b>	*
<b>CG-1991-V-111</b>	Microcentrifuge tubes (1.5mL)	Ø 10.9	20	39.1	<b>\$198.00</b>	*
<b>CG-1991-V-112</b>	Microcentrifuge tubes (2.0mL)	Ø 10.9	20	38.1	<b>\$198.00</b>	*
<b>CG-1991-V-113</b>	Microcentrifuge tubes (2.0mL)	Ø 10.9	20	38.1	<b>\$198.00</b>	*



CG-1991-V-109

### Blocks For Conical Bottom Centrifuge Tubes

Used for medium to large capacity centrifugations, ideal for separating cells, particles, or biological components, as well as for preparing and collecting pellets.

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
<b>CG-1991-V-114</b>	Conical centrifuges tube (15mL)	Ø 17.1	12	44.5	<b>\$198.00</b>	*
<b>CG-1991-V-115</b>	Conical centrifuges tube (50mL)	Ø 29	5	47.6	<b>\$198.00</b>	*



CG-1991-V-114

### Blocks For PCR

Specially designed for PCR (Polymerase Chain Reaction) applications, ensuring uniform heating and precise temperature control during DNA amplification and related molecular biology workflows, as well as diagnostics and genetic research.

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
<b>CG-1991-V-128</b>	64 × individual PCR tubes (0.2mL tubes)	Ø 6.6	64	20.2	<b>\$198.00</b>	*
<b>CG-1991-V-129</b>	10 × 8 individual PCR tube strips (0.2mL tubes)	Ø 6.6	80	15.5	<b>\$198.00</b>	*
<b>CG-1991-V-130</b>	1 × 96 – well PCR plate (0.2mL tubes)	Ø 6.6	96	15.5	<b>\$198.00</b>	*



CG-1991-V-128

### Combination Blocks For Test Tubes, Centrifuge Tubes & Microcentrifuge Tubes

Provide maximum flexibility, allowing simultaneous heating of different tube formats, ideal for multipurpose laboratories handling diverse workflows.

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
<b>CG-1991-V-116</b>	Test tube combination, 6 / 12 / 13 / 25mm	Ø 8.3	6	48.4	<b>\$198.00</b>	*
		Ø 13.9	5	48.4		
		Ø 26.2	3	48.4		
<b>CG-1991-V-117</b>	Centrifuge tube combination, 1.5 / 15 / 50mL	Ø 11.1	4	39.1	<b>\$198.00</b>	*
		Ø 17.1	3	44.5		
		Ø 29	2	47.6		
<b>CG-1991-V-118</b>	Microcentrifuge tube combination, 0.5 / 1.5 / 2.0mL	Ø 7.9	6	27.6	<b>\$198.00</b>	*
		Ø 11.1	10	39.1		
		Ø 11.5	5	38.1		



CG-1991-V-116

**Blocks For Vials**

Suitable for reaction vials, often used in chemistry and pharmaceutical applications for compound synthesis, extraction, or sample preparation.

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
CG-1991-V-119	12mm OD vials like 12mm x 32mm, 1.5mL and 2mL Autosampler Vials	Ø 12.7	20	30	\$198.00	*
CG-1991-V-120	15mm OD vials like 15mm x 45mm, 4mL (1 Dram) Vials	Ø 15.8	20	35	\$198.00	*
CG-1991-V-121	16mm OD vials like 16mm x 50mm, 5.5mL (1 1/2 Dram) Vials	Ø 16.4	15	45	\$198.00	*
CG-1991-V-122	17mm OD vials like 17mm x 60mm, 8mL (2 Dram) Vials	Ø 17.8	12	45	\$198.00	*
CG-1991-V-123	19mm OD Vials like 19mm x 65mm, 12mL Vials	Ø 19.7	12	45	\$198.00	*
CG-1991-V-124	21mm OD vials like 21mm x 70mm, 16mL (4 Dram) Vials	Ø 21.7	9	45	\$198.00	*
CG-1991-V-125	23mm OD vials like 23mm x 85mm, 24mL (6 Dram) Vials	Ø 23.8	8	45	\$198.00	*
CG-1991-V-126	25mm OD vials like 25mm x 95mm, 30mL (8 Dram) Vials	Ø 25.8	8	45	\$198.00	*
CG-1991-V-127	28mm OD vials like 28mm x 95mm, 40mL Vials	Ø 28.8	6	45	\$198.00	*



CG-1991-V-119

**Blocks For Cuvette**

Allow controlled heating of cuvettes for spectrophotometric analysis, supporting kinetic studies, enzyme reactions, or temperature-dependent absorbance measurements.

Item Number	Suitable for	No. of Wells	Well Depth (mm)	Price	
CG-1991-V-131	2 × 6 cuvettes (12.5mm)	2	25.4	\$198.00	*



CG-1991-V-131

**Blocks For COD (Chemical Oxygen Demand) Round Bottom Test Tubes**

Dedicated to COD (Chemical Oxygen Demand) analysis in environmental testing, ensuring accurate digestion of water and wastewater samples under controlled conditions

Item Number	Suitable for	Well Size (mm)	No. of Wells	Well Depth (mm)	Price	
CG-1991-V-133	Round bottom COD test tube (42mm)	Ø 42	4	51	\$198.00	*
CG-1991-V-134	Round bottom COD test tube (16/22mm)	Ø 16 Ø 22	18 2	47 45.5	\$198.00	*
CG-1991-V-132	Round bottom COD test tube (16mm)	Ø 16	24	47	\$198.00	*



CG-1991-V-134

Visit our site to see more information on EcoDryBlocks

\* Chemistry Equipment and Hardware Product line