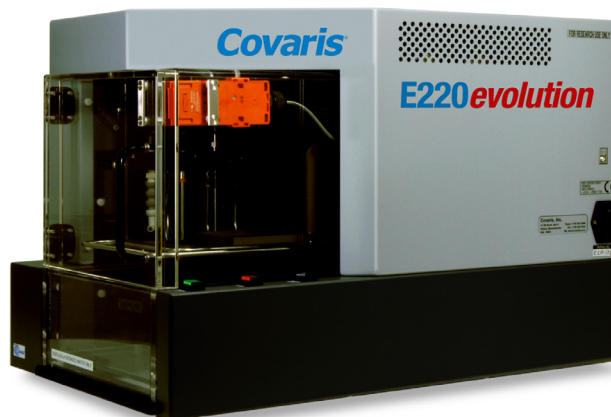


E220evolution™

The Platform for High-Performance, High Throughput Sample Preparation

- Process 1 to 8 samples in a batch
- Upgrade to 96 samples when workload increases



When workload requirements increase, upgrade your throughput without purchasing a new instrument

E220evolution
1-8 samples/run

E220™—1-96 samples/run

LE220™—High throughput

Same applications and protocols for all 3 high throughput instruments

- DNA and RNA Extraction from FFPE Samples with truXTRAC™
- DNA and RNA Shearing for Next-Generation Sequencing with microTUBEs™
- Chromatin Shearing for ChIP Samples with truChIP™

ORDERING INFORMATION

Part #	Product Name/Description
500429	• E220 <i>evolution</i> Focused-ultrasonicator—Point focus, single row automation, 1–8 samples
500430	• Rack E220 <i>evolution</i> 8 microTUBE™ Strip (1 Row)
500431	• Rack E220 <i>evolution</i> 4 Place milliTUBE™ 1 ml
500432	• Rack E220 <i>evolution</i> 4 Place microTUBE Screw Cap
500433	• Rack E220 <i>evolution</i> 8 Place microTUBE Crimp Cap
500434	• Rack E220 <i>evolution</i> 4 Place miniTUBE™
530137	• E220 <i>evolution</i> One Year Service Plan
500239UPE	• E220 <i>evolution</i> Upgrade to E220™—Option to evolve to E220 with 96 sample capacity
500219UP	• E220 Upgrade to LE220™—Option to evolve from E220 to LE220 High Throughput Focused-ultrasonicator

SYSTEM SPECIFICATIONS

Treatment System	Bench-top: high intensity acoustic transducer, sample positioning system, temperature monitoring device, circulation pump, and water bath with safety enclosure.
Treatment Power	100 Watts Average Power
Dimensions	24" W x 30" D x 19" H (61 cm x 76 cm x 48 cm)
Weight	Approximately 110 lbs (50 Kg)
Safety	Meets Low Voltage Directive 2006/95/EC. Tested to EN/UL/CSA 61010-1:2004 "Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use, Part 1: General Requirements"
Water Conditioning System	Accessory to the E220 <i>evolution</i> system water bath, automatically circulates water through a 0.5micron particulate filter and ultraviolet (UV) lamp system, helps to keep water clean and free of algae growth for up to one year. Uses 100-240VAC. Includes hose connections to E-series water bath.
Computer	Notebook (Computer may be supplied by Covaris or by the user).
Operating System	Windows 7 or newer
Application Software	Covaris SonoLab
Data Input	Keyboard, mouse
Chiller	Chiller/heater re-circulating system - not included (may be supplied by Covaris or the user). Connect with the 3/8 inch I.D. hoses and quick connect fittings supplied
EMC	Meets EMC Directive 2004/108/EC. Tested to EMI emissions requirements for Industrial Scientific or Medical (ISM) equipment EN55011:1998 + A2:2002 Class A Group1 and EMC requirements - Electrical Equipment for Measurement, Control, and Laboratory Use EN 61326-1:2005 Table 2, EN 61000-3-2:2004 and EN 61000-3-3:1995 +A1:2001.
Water Bath	Distilled or deionized water only
Water Temperature Alarm Limit	Can be set at +5.0° C to +40.0° C
Power Requirements	100-120, 200-240 V~ 50-60Hz, 500 VAC
Operating Environment	Ambient temperature: 19° C to 25° C (66° F to 77° F) Relative humidity: 30% to 70%

USA: Covaris, Inc. • Tel: +1 781-932-3959 • Fax: +1 781-932-8705 • Email: customerservice@covarisinc.com • Web: www.covarisinc.com

EUROPE: Covaris Ltd. • Tel: +44 (0)845 872 0100 • Fax: +44 (0)845 384 9160 • Email: eucustomerservice@covarisinc.com • Web: www.covarisinc.com

PART NUMBER: M020001 REV D | EDITION MAY 2017

INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE | FOR RESEARCH USE ONLY | NOT FOR USE IN DIAGNOSTIC PROCEDURES | COPYRIGHT 2014 COVARIS, INC.