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# Beckman Coulter CEQ-8000 Analyzer



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90-DAY WARRANTY



LOW PRICE GUARANTEE

Item Number: CEQ-8000 Analyzer

Manufacturer: Beckman Coulter

Product Category: Analyzers

Brand Name: Beckman Coulter

Description: Beckman Coulter CEQ-8000 Analyzer



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Description

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## Description

Item Number: CEQ-8000 Analyzer

Manufacturer: Beckman Coulter

Product Category: Analyzers

Brand Name: Beckman Coulter

Product Overview: Beckman Coulter CEQ-8000 Analyzer

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# Overview of Beckman Coulter CEQ-8000 Analyzer

Beckman Coulter CEQ-8000 Analyzer is available from Laboratory Controls LLC. This product comes with a 90 day warranty.

## Specifications

## Consumable Items Required for Sequence Analysis

Item	P/N	QTYa	Description
DTCS Kit (DNA Sequencing RXN Kit) or	608000	1	Dye Terminator Cycle Sequencing Kit for 96 reactions. Includes: <ul style="list-style-type: none"><li>• DNA polymerase</li><li>• CEQ Dye Terminators (ddUTP, ddGTP, ddCTP, ddATP)</li><li>• dNTP Mix Solution</li></ul>

				<ul style="list-style-type: none"> <li>• Sequencing Reaction Buffer</li> <li>• pUC18 Control Template</li> <li>• -47 Sequencing Primer</li> <li>• Glycogen</li> <li>• Mineral Oil</li> <li>• Sample Loading Solution (SLS)</li> </ul>
DTCS Quick Start Kit	608120	1		<p>Dye Terminator Cycle Sequencing Kit for 96 reactions in a single tube containing:</p> <ul style="list-style-type: none"> <li>• DNA polymerase</li> <li>• CEQ Dye Terminators (ddUTP, ddGTP, ddCTP, ddATP)</li> </ul>

				<ul style="list-style-type: none"> <li>• dNTP Mix Solution</li> <li>• Sequencing Reaction Buffer</li> <li>• pUC18 Control Template</li> <li>• -47 Sequencing Primer</li> <li>• Glycogen</li> <li>• Mineral Oil</li> <li>• Sample Loading Solution (SLS)</li> </ul>
Sequencing Test Samples	608070	1		
CEQ Separation Gel LPA 1	608010	1		11.5 mL of gel in CEQ 8000 compatible container. Sufficient for 12 fills of the Capillary Array (96 sequencing runs).
CEQ	608012	1		Each

Separation Buffer			container has a screw top and pour tip. The container has enough buffer (30 mL) to fill a CEQ System 96-well, flat bottom Buffer Plate. (Each well being $\frac{3}{4}$ full.) 4/Pack
DNA Separation Capillary Array 33-75B	608087	1	Package of 100 flat-bottom polystyrene plates, nonsterile, without lids. Required for use as the CEQ 8000 Separation Buffer Plate.

## Consumable Items Required for Sequence Analysis (Continued)

Item	P/N	QTYa	Description
Buffer Plates	609844	Box	Package of 100 flat-bottom

			polystyrene plates, nonsterile, without lids. Required for use as the CEQ Separation Buffer Plate.
Sample Plate	609801	Box	Package of 25 V-bottom thermal cycler-compatible polypropylene plates with 200 µL volume capacity. Required for use as the CEQ 8000 sample plate. 25 Plates/Box

a. Contact your local Beckman Coulter representative for specific consumable material requirements based on your application and frequency of use.

Table 76 provides a list of the required consumable items for the Fragment Analysis system.

## Required Consumable Materials for Fragment Analysis

Item	P/N	QTYa	Description
DNA Separation Capillary Array 33-	608087	1	Eight capillaries, 75 µm i.d., 33 cm long, 200 o.d.

75B			complete with electrode block and detector array fitting. Ready for installation into CEQ 8000.
CEQ Separation Gel LPA 1	608010	1	11.5 mL of gel in CEQ 8000 compatible container. Sufficient for 12 fills of the Capillary Array (96 sequencing runs).
CEQ Separation Buffer	608012	1	Each container has a screw top and pour tip. The container has enough buffer (30 mL) to fill a CEQ System 96-well, flat bottom Buffer Plate. (Each well being $\frac{3}{4}$ full.) 4/Pack
CEQ DNA Size Standard Kit – 80	608395	1	Contains fragments of 13 and 80 nucleotides designed to accomodate a



			wide range of sizes for multiplexed and poolplexed SNP fragments.
CEQ DNA Size Standard Kit – 400	608098	1	<p>DNA size standard for analysis of fragments up to 400 nucleotides. Includes:</p> <ul style="list-style-type: none"><li>• Mineral Oil</li><li>• DNA fragments of the following sizes labeled with CEQ WellRED fluorescent dye: 60, 70, 80, 90, 100, 120, 140, 160, 180, 190, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, and 420 nucleotides</li></ul> <p>Sufficient for 96 fragment analysis separations.</p>

# Required Consumable Materials for Fragment Analysis

Item	P/N	QTYa	Description
CEQ DNA Size Standard Kit – 600	608095	1	<p>DNA size standard for analysis of fragments up to 600 nucleotides. Includes:</p> <ul style="list-style-type: none"><li>• Mineral Oil</li><li>• DNA fragments of the following sizes labeled with CEQ WellRED fluorescent dye: 60, 70, 80, 90, 100, 120, 140, 160, 180, 190, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 420, 440, 460, 480, 500, 520, 540, 560, 580, 600, 620, and 640 nucleotides</li></ul> <p>Sufficient for 96 fragment</p>

			analysis separations.
CEQ SNP-Primer Extension Kit.	390280	1	<p>Includes:</p> <ul style="list-style-type: none"> <li>• DNA Polymerase</li> <li>• CEQ dye-labeled terminators (ddUTP, ddGTP, ddCTP, ddATP)</li> <li>• Reaction buffer</li> <li>• Mineral oil</li> </ul> <p>Sufficient for 96 reactions.</p>
CEQ Sample Loading Solution (SLS)	608082	1	Sample Loading Solution (SLS), 6.0 mL
Buffer Plates	609844	Box	Package of 100 flat-bottom polystyrene plates, nonsterile, without lids. Required for use as the CEQ Separation

Sample Plate	609801	Box	Buffer Plate. Package of 25 V-bottom thermal cycler-compatible polypropylene plates with 200 $\mu$ L volume capacity. Required for use as the CEQ 8000 sample plate. 25 Plates/Box.
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## Item Description

The CEQ Genetic Evaluation System is completely automated and effective at discovering the base sequence and fragment span of DNA samples which were prepared with Beckman Coulter, Inc. dye-labeled reagents. Four-colour, dye-labeled terminator Chemistry kits are accustomed to process samples for sequence analysis that was base. Generation of Samples for fragment length evaluation is conducted using dye- . The CEQ 8000 takes up to 96 four-colour samples in a microplate. Each row of eight samples (sample set), including labeled DNA fragments, is mechanically denatured and then divided by capillary electrophoresis. The replaceable medium (separation gel) is automatically replaced in the eight capillaries after every separation. The separation gel supply is an easily replaced cartridge having a capacity adequate for a complete microplate (96 samples).

Detection is by laser-induced fluorescence. The four-station raw data sets created by all the eight capillaries are mechanically

processed to Create fragment lists or good quality base sequences . Assessed and raw information can also be exported in file and are kept in a database Formats compatible with evaluation programs that are common.

## Resources

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[Beckman Coulter CEQ-8000 Analyzer Manual](#)

## Warranty Information

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Laboratory Controls offers a best in the business full 90 day warranty on all refurbished items. This warranty covers your part against any material and or craftsmanship issues within one full year from purchase. Laboratory Controls will repair or replace your part at no charge. Please contact us for further information if you are in need of a repair.

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