

## Specifications

### Macroduct Advanced Sweat Collection System Model 3710

Iontophoresis Current (nominal control)	(a) Current profile-controlled ramp-up and ramp-down (b) 1.5 mA (c) Fail-safe current limited by circuit design
Electrode Cable Assembly	Color-coded elliptically shaped electrodes to fit elliptical Pilogel discs
USB Connection	Micro USB connector for exporting test data
Power	Rechargeable lithium ion battery
Device & Carrying Case Weight	5 lbs (2.3 kg)

Macroduct Advanced Sweat Collection System Model 3710 includes all needed accessories and one supply kit. Each kit contains 12 Macroduct Advanced Pilogel discs, 6 Macroduct Advanced collectors, and 6 small sealable containers. Order catalog number SS-268.



# NEW

Sweat Collection System

# Macroduct®

A D V A N C E D



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Please contact your sales representative for product availability in your country.

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ELITech Biomedical Systems  
The **world leader** for the  
laboratory **diagnosis** of **cystic fibrosis**

*The Macroduct System eliminates errors that were inherent in many previously used methods.*



### Macroduct Advanced SWEAT INDUCER

The Macroduct Advanced sweat inducer incorporates a friendly, straightforward touch-screen user interface. It provides a step-by-step visual guide of all aspects of sweat induction and collection, further enhancing the standardization of the sweat test. This assures proper procedures are followed. An integrated timer conveniently monitors the 30-minute collection time, and exportable test data helps verify correct performance of the tests.

The carefully validated functional performance of the Macroduct Advanced sweat inducer is the same as the standard Macroduct System. It delivers 1.5 milliamps of current for 5 minutes, using the same pilocarpine concentration in the Macroduct Advanced Pilogel discs and the same collection area in the Macroduct Advanced elliptical collectors. Therefore, the minimum amount of sweat needed is still 15 microliters of sweat in a 30-minute collection period.



### Macroduct Advanced ELECTRODES

The Macroduct Advanced electrodes detect the absence of Pilogel discs and will not start iontophoresis without Pilogel discs inserted between the skin and electrodes.

*Used in more labs throughout the world than any other sweat test system*



### Macroduct Advanced ELLIPTICAL COLLECTOR

ELITech continues to move sweat testing forward with a patented elliptical Macroduct Advanced collector. The new collector incorporates an elliptical design with straps that are easy to adjust and better fit small arms for optimized sweat collection. The new Macroduct Advanced straps can be disinfected easily, but are priced so they can be disposed of, if desired.

The ability to determine sufficient sweat rate has been greatly improved by the addition of visual indicators on the Macroduct Advanced sweat collector tubing.



### Macroduct Advanced EASYDUCT™ NEEDLE

The new EasyDuct reduced-end reusable stainless steel needle – answers customer requests for an easier method to attach the needle to the Macroduct tubing.



### Macroduct Advanced ANALYSIS

The pristine sweat harvested from the Macroduct Advanced elliptical collector can be analyzed using the **ChloroChek®** Chloridometer® for chloride analysis, or  
The **Sweat-Chek™** sweat conductivity analyzer for total electrolyte concentration.