

WORLD LEADER IN LABORATORY CF DIAGNOSIS

For clinical laboratory use by qualified medical personnel for stimulation and collection of sweat from humans for analysis for the diagnosis of cystic fibrosis.



MACRODUCT® ADVANCED IS SWEAT TESTING AT ITS BEST

More than 5 million sweat tests have been performed with the existing Macroduct® Sweat Collection System. The Macroduct® Advanced is a result of 40+ years of ongoing innovation to further standardize pilocarpine iontophoresis and sweat collection.



Sweat Collector

- Elliptical shaped collector is a better fit for small arms
- Minimum amount of sweat needed is 15 microliters in a 30-minute collection period
- Two marks on each collector for checking the minimum volume of sweat required and determining the sweat rate

Adjustable and Disposable Straps

Easy to fit and disinfect for reuse



Easyduct® Needle has a tapered blunt end for easy insertion into the tubing and transferring sweat



THE CHLOROCHEK® CHLORIDOMETER® THE PERFECT CF DIAGNOSTIC COMPANION

The ChloroChek® Chloridometer® is a coulometric titrator designed to determine chloride ion concentrations in sweat samples with just 10 microliters of sweat. It displays the concentration directly in mmol/L Cl-. The sweat sample is added to a buffer/stabilizer working solution.



Key Advantages

- Easy to operate with consistent results in less than 20 seconds
- Intuitive touchscreen interface with simple prompts
- Maintenance for electrodes is simple

 a daily rinse with deionized water
- Electrodes are simply pushed into place
- Results can be exported for complete traceability





CE IVD

SWEAT CONTROLS ARE
AVAILABLE, WITH THREE LEVELS,
TO INSURE THE HIGHEST QUALITY
CONTROL PROCEDURES TO MEET
REGULATORY REQUIREMENTS





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.

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)	

ChloroChek® Chloridometer® Model 3400

Sample Volume	10 μL		
Duration of Measurement	Approximately 20 Seconds		
Reproducibility (*Generally limited by the sample dispensing system/pipette accuracy)	CV of 1.02% at 100 mmol/L		
Measurement Display	0 - 999 mmol/L		
Clinical Measuring Range	10 - 160 mmol/L		
Resolution	1 mmol/L over the entire measurement range		
Integrated Stir Bar	PTFE coated magnetic cylindrical stir bar		
Environmental Operating Conditions	Indoor use; no direct sunlight		
Operating Temperature (ambient)	10 °C to 35 °C / 50 °F to 95 °F		
Storage Temperature	-40 °C to 70 °C / -40 °F to 158 °F		
Room Humidity	5 - 80% (non-condensing)		
Altitude	Up to 2000 m		
Electrical Voltage	100 -120 VAC / 200 - 240 VAC		
Frequency	50 - 60 Hz		
Power	20 VA		
Electrical Connection	Detachable power supply cord		
Fuses (2): HBC breaking capacity 1500 A	1.0 A for 100-120 VAC		
	0.5 A for 200-240 VAC		
Memory Backup	Integral lithium cell: (10 years typical)		
Dimensions: (W x D x H)	20.5 x 22.0 x 36.0 cm (8.0 x 8.1 x 14.2 inches)		
Weight	Approximately 5.7 kg (12.54 lbs.)		
Data Output	Serial RS-232 / USB		

	Catalog Number	Description		Catalog Number	Description
	MODEL 3710-SYS	Macroduct® Advanced 3710 Sweat Collection System	ChloroChek	MODEL 3400	ChloroChek® Chloridometer® Sweat Chloride Analyzer
	AC-193	EasyDuct Needle/1cc Syringe, Pack of 3		AC-071	Ampule Organizer for Sweat Controls
ced	Advanced	Electrode Cable Assembly Macroduct® Advanced		SS-150	Sweat Controls, L1, L2, L3 12 ea., 36x0.75mL
van				SS-248	ChloroChek® Reagent Set, 37x10mL BS + 1x30mL GS
Ad		Small Sealable Containers, Pack of 6		SS-251	ChloroChek® Standard Solution, 100 mmol/L, 10x1mL
uct	SS-268	Macroduct® Advanced Supply Kit			
Macrod	SS-268-ND	Macroduct® Advanced Supply Kit, No Dye Collectors			
2	SS-269	Strap Set, 18 ea, Macroduct® Advanced			
	SS-270	Strap Set, 180 ea, Macroduct® Advanced			
	SS-271	Electrode Cleaning Pads, Pack of 10			



WORLDWIDE OFFICES

Please contact your sales representative for terms, conditions and product availability in your country.



ELITechGroup has been certified by BSI to ISO 13485:2016 under certificate numbers MDSAP 689350 and FM 703046

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