

Ambulatory pump

TECHNOLOGY FOR HEALTH



CRONO *Super PID*

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PUMP DESCRIPTION

CRONO Super PID is an ambulatory pump for the controlled subcutaneous administration of immunoglobulins.

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CRONO Super PID uses 10 and 20 ml dedicated reservoirs.

To improve the absorption of the pharmaceutical, CRONO Super PID administers 22 µl per shot. The pusher mechanism, which operates directly on the rubber piston of the reservoir, enables the pump to combine a high delivery pressure with excellent precision while administering the immunoglobulins.

An innovative infusion control system allows the pump to automatically restart and finish an infusion after an occlusion has been removed.

CRONO Super PID is provided with a liquid crystal display (LCD) which shows practical information to the doctor and patient about the settings, operations and diagnostics of the pump.

CRONO Super PID

TECHNICAL FEATURES

PUMP DIMENSIONS	76 x 49 x 29 mm (3.00 x 1.94 x 1.15 in).
PUMP WEIGHT	115 g (4.06 oz.), including battery.
BATTERY	Lithium CR 123A 3V (battery life about 100 infusions).
SINGLE-USE RESERVOIRS	Reservoir with a 10 and 20 ml capacity and a “Luer-Lock” universal security attachment.
QUANTITIES THAT CAN BE ADMINISTERED	Selectable, from 1 to 10 ml in 1 ml increments (10 ml reservoir). Selectable, from 1 to 20 ml in 1 ml increments (20 ml reservoir).
DURATION OF INFUSION	Programmable from: • 15 min to 99 h (10 ml reservoir). • 30 min to 99 h (20 ml reservoir).
AVAILABLE PRIMING VOLUME	1.5 ml.
FLOW RATE PRECISION	+/- 2 %.
OCCCLUSION PRESSURE	6.0 bar +/- 2.0.
SHOT VOLUME	22 microlitres (shot: quantity administered for every rotation of the motor).
POST-OCCCLUSION BOLUS	Approx 1.2 ml.
SETTINGS MEMORY	All selected settings values are automatically saved in memory and are retained even when there are no batteries in the device.
DISPLAY	Liquid Crystal Display (LCD - 1.1 x 2.8 cm; 0.43 x 1.0 in).
MOTOR	Coreless DC motor, the rotation of which is controlled by an infrared system.
SETTINGS LOCK	Two configurable levels.
ELECTRONIC CIRCUIT WITH TWIN MICROCONTROLLERS	Ensures a more reliable and safer infusion system.
SAFETY CIRCUITS	Verify the correct operation of the device, intervening in the event of any anomaly with acoustic signals and messages on the display.
INGRESS PROTECTION RATING	IP 42.
EQUIPMENT SUPPLIED	Ambulatory pump, infuser carry-case, elastic belt, supporting cord, fabric pouch, 2 batteries, battery cover opening tool and user manual.
GUARANTEE	Two years for manufacturing defects.