



MEDICATION ADHERENCE INNOVATIONS



Enhance research outcomes
with accurate compliance data

Know your compliance data

- ▶ 99.6% event accuracy
- ▶ Secure data reports
- ▶ CFR21PT11
- ▶ Allows early detection of study-related problems

Trust your compliance data

- ▶ Continue or alter further pharmacotherapy?
- ▶ Clinical transparency
- ▶ Audit trails

Report your compliance data

- ▶ Data capture direct from eCAP
- ▶ Eliminate case report forms
- ▶ Fast-track drug to market
- ▶ Traceability of eCAP data



BT4



CertiScan® RFID



NFC

Share your secure eCAP data

- ▶ In the interest of patients, healthcare and economy
- ▶ Secure access to eCAP data
- ▶ Retention of eCAP electronic source data



.... the smart cap that enhances prescription medicine adherence.

The eCAP™ Advantage:

- ▶ Reusable, validated, and competitively priced
- ▶ Meets federal requirements for CR/SF
- ▶ Designed to fit Rexam 1-Clic® Pharmacy vials and most 38mm-400 Argus-Loc CRC bottles

Where eCAP™ Can Be Used:

- ▶ Clinical trials through phase IV
- ▶ Supervised opiate dispensing
- ▶ Product launches
- ▶ Patient compliance & retention programs
- ▶ Long term and post-marketing studies
- ▶ Co-branding and authentication

Technical Specifications

CertiScan® Reader/Writer

13.56 MHz Desktop Contactless RFID Reader (for use with Med-ic® ECM® devices)

Read/Write Range	5 cm
Antenna	RFID antenna
Reading Time	Under 0.5 seconds
Internal Clock	Standard UTC +/- 5 min per 6 months
Output	0.1W, FCC certified (FCC ID: TTTDTR11)
Communication Interface	USB
Operating Environment	5°C to 60°C (41°F to 140°F)
Power Supply	Powered USB
Dimension	15.6cm x 10.2cm x 2.8cm
Weight	155 g

eCAP™ Electronic Compliance Monitor (ECM®)

Vials, Active, Sensing (up to 4 Trillion unique ID's)

Dimensions (H x D)	25 mm x 48 mm
Weight	17g (0.6oz)
Operation Life	Up to 3 years, depending on use conditions
Warranty Life	1 year from manufacture
Time Resolution Stored	1 minute
Time Accuracy	+/- 2 minutes per month
Operating Environment	-15°C to 65°C (5°F to 149°F)
Reusable	Yes
Power Source	3V coin cell battery. NOT listed in the EPA hazardous waste

ID Range	48 bits
Data Storage	4000 or more events (Non-volatile storage)
Start Modes	Start immediately with CertiScan RFID reader or with button press after being initialized with CertiScan RFID reader

Communication	CertiScan RFID (wireless, passive), NFC
Bottle Format	Rexam 1-Clic® (CR) 16 or 20 dram vial size Most 38mm-400 Argus-Loc CRC, Capacity: Many

CertiScan® Software

Compliance Data Acquisition and Management Software

Operating System	Windows XP, Vista, Windows 7, Windows 8
System Requirements	512MB Ram, 5MB free disk space, USB port
File Format	Secure, tamper-proof, 21 CFR Part 11 technically compliant trial data file (*.tdf)
Database	Max 10,000 patient/medication records per trial data file
Export Data Format	CSV, EXCEL, secure XML and secure PDF
Device Support	Med-ic® Blister Package, eCAP™ Vial or Bottle

