

## Biometric Tamperproof Drinkable Drug Dispenser (BTD3)

*with a unique drug inactivation feature*



Series zero prototype

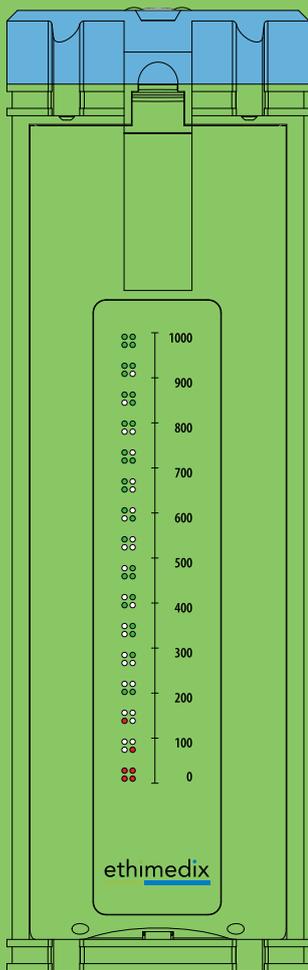
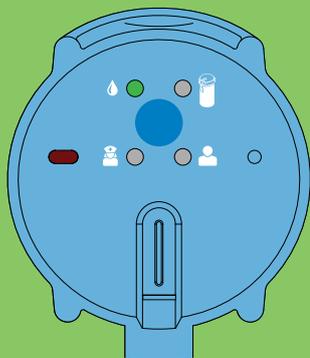
Device in pre-clinical stage

### WHAT IS IT ?

BTD3 is a controlled drug delivery device suitable for medicine in a drinkable form. It allows for safe and monitored use of strictly regulated or difficult to adhere drugs in both a homecare and ambulatory setting. The device aims to improve patient and legal compliance and prevent abuse, misuse and diversion while respecting prescription adherence.

### WHAT PATIENTS IS IT FOR ?

- Oral around-the-clock PCA (patient controlled analgesia) in hospital, ambulatory and homecare environment for cancer and non-cancer patients with **chronic pain** e.g. morphine or morphine equivalents
- Treatment of **narcotic addiction** for opioids dependence e.g. methadone
- Non-controlled pharmaceuticals in liquid form **requiring stringent prescription adherence and over-dose protection** and used in homecare environment e.g. antidepressant, Alzheimer, antiepileptic, ADD, antiemetic, narcolepsy, HIV, antiviral, immunosuppressant, osteoporosis, antihistamine, anti-estrogen, anti-inflammatory.



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## KEY ADVANTAGES FOR PATIENTS AND HEALTH CARE WORKERS

- Access and use of pharmaceuticals with strict narcotic control or where safe customized dosage requirements is required (strict patient compliance)
- Use in homecare environment or rural and remote areas
- Significantly lowers the need to repeatedly visit physician or pharmacist to receive prescription drug
- Recordable drug consumption (quantity and frequency)
- Reminder to take the drug in visual and audible form
- Biometric access feature preventing misuse, abuse, diversion
- Optional drug inactivation feature in case of attempted break in

## TECHNICAL CHARACTERISTICS

- single-button operated
- locable proof outside shell
- 1 L volume capacity
- 1- X doses per day of 5-25 ml at once
- dispensing accuracy 10%
- audio and visual reminder
- integrated drug inactivation / absorption system
- third generation biometric access control - fingerprint reader
- battery life for 2 years
- product functionality warranty for 2 years
- replaceable liquid drug container allowing up to 200 doses
- data recording of medication usage (quantity and frequency)
- wireless data transmission – dose programming, access control, recorded data transfer, etc
- Windows, Mac, Linux OS, SmartPhone compatible control application

## ABOUT ETHIMEDIX SA

Situated along lake of Geneva, Ethimedix is an emerging Swiss company dedicated to providing broader patient population access to medication in homecare setting. The proprietary innovative biometric tamperproof drinkable drug dispenser (BTD3), with a drug inactivation feature, has been developed to resolve unmet clinical needs for safe controlled drug delivery for out-patients as defined by renowned pain experts. The product has been co-developed with a local technical university - IMT/EPFL.

Our company's development is supported by the canton Vaud (SELT) and Swiss government CTI programs.

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