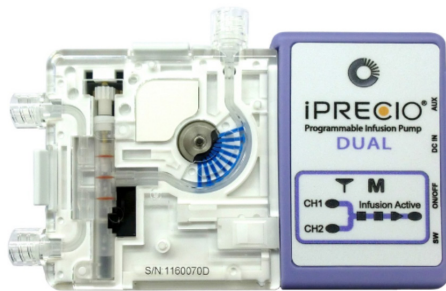


CONTROLLER AND ACQUISITION SERVER FOR iPRECIO® DUAL PUMP



iPRECIO® Dual inlet infusion pump

IPD30a is NOTOCORD®'s dedicated **controller and acquisition server** for the iPRECIO® Dual infusion pump produced by Primetech (Japan).

IPRECIO® DUAL PUMP

iPRECIO® Dual is a versatile and wireless infusion pump providing two reservoirs for either one test article and physiological saline, or for two test articles.

Designed for both large and small animal models, the pump allows sensitive safety pharmacology studies to be carried out remotely, i.e. without any interaction with the animals around the infusion time.

Key features of the infusion pump

- Infusion rates from 0.6 to 120ml/hour
- Easy to carry 186g complete package
- Disposable cassette
- Wireless communication (IEEE 802.15.4)
- Distance range = ± 10-15 meters or more with a USB to network adaptor

NOTOCORD® is authorized to distribute iPRECIO® Dual in Europe for pharmacological research.

KEY FEATURES

- Multiple pump management
- User-defined infusion sequence for each pump
- Easy programming, dosing control and monitoring
- Monitoring of occlusion, low battery and communication interruptions
- Infused volume saved as a raw data
- GLP and 21 CFR Part 11 compliance

IPD30a: PUMP CONTROLLER AND SERVER

IPD30a allows data collection, from iPRECIO® Dual infusion pumps, and **scheduling** of infusions. With IPD30a, the injection procedure is **easily programmed** and is started remotely. Infusion can be adjusted during the experiment. Complex sequences with multiple boluses may also be scheduled. A graphic representation enables program monitoring.

3-step injection program

- 1. Pre-flush:** Priming of the system with dead volumes so that administration of test article starts at the exact scheduled time.
- 2. Bolus:** Administration of test article to the animal.
- 3. Post-flush:** Flush of the system to complete administration of test article still contained in the dead volumes.

Dosing can be set automatically based on animal weight. Only one IPD30a module is needed for all iPRECIO® Dual pumps used in the experiment.

COUPLING DRUG INFUSION WITH WIRELESS RECORDING OF PHYSIOLOGICAL DATA

IPD30a control window allows to visualize the **status** of each pump and the **progress** of infusions. It also offers commands to control the pumps. The user is can receive email notices with issues, like an occlusion or a low battery which needs to be replaced.

Both infusion information and telemetric physiological recordings are contained in the same NOTOCORD® NSS data file and are displayed in NOTOCORD-hem™ in **real time** during acquisition.



Control window and analysis display in NOTOCORD-hem™

Pump logs are recorded, including as well as changes in infusion flow rate and input channel, and communication interruption. This feature helps to create accurate **reports in Excel®** by combining drug dosing and physiological changes. Infused volumes are extracted as well as physiological signals (QT or blood pressure for example), allowing to easily relate drug dosing to physiological changes.

IPD30a is compatible with GLP studies. Any change in the infusion parameters is recorded in the audit trail and access control rules may be set.

+ Related products

- KBD30a Event marker generator using keyboard
- THR10a/c Threshold detector

IPD30a

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Working in a GLP environment?

21 CFR Part 11 compliance is achieved via our AccessManager security application, activating a highly secure and compliant Audit Trail.



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