

RFID Mother-Infant Bracelets: Enhancing Safety and Connectivity in Maternal Care

Innovative technology improving maternal and newborn protection





RFID Mother-Infant Bracelets

RFID Technology Use

RFID bracelets use radio-frequency identification to securely link mother and newborn in healthcare settings.

Real-Time Tracking

These bracelets enable real-time tracking of mother and newborn to ensure safety and immediate identification.

Enhanced Communication

RFID systems improve communication among healthcare providers to reduce risks of mismatching and errors.

Key Technical Features

Secure RFID Tags

The bracelets have secure RFID tags enabling reliable identification and data exchange in hospital settings.

Safe, Waterproof and Durable Materials

Made with waterproof and durable materials, the bracelets withstand harsh hospital environments.

Unique Identification Codes

Each bracelet includes unique identification codes for precise patient tracking and safety.

Wireless Connectivity

Wireless connectivity allows seamless data transmission and integration with hospital systems.



Security mother- infant bracelets #1

025-7401-828

Bracelets with identical sequential numbering - unique RFID code - made of soft plastic with rounded edges, connected to each other by a thin cord that must be removed from the mother's wrist at the moment of the baby's birth.

This provides peace of mind, knowing that both healthcare professionals and the mother are able to immediately, electronically and visually verify that both bracelets are identically numbered. This numbering is sequential and in ascending order in the dispenser packs.



Security mother- infant bracelets #2

025-7401-828

Safety closure with clips designed and manufactured from rigid plastic for removability in accordance with rigorous testing and inspection procedures.

The adaptability to the wrist is a unique feature of this identification system, as it allows the bracelet to be tightened after the baby's physiological weight decreases. The rationally arranged spaces allow for data addition and support for computerization with a barcode or microchip.



The kit

The **Security Identifier Kit** includes:

- Three identification bracelets, baby, mother and father or other person, with the same color impressed number and the same header hospital, to join the scientific and medical data.

These instruments allow to ensure certain relation between Registered Birth and Medical Records as indicated by the Ministry of Healthcare Guidelines

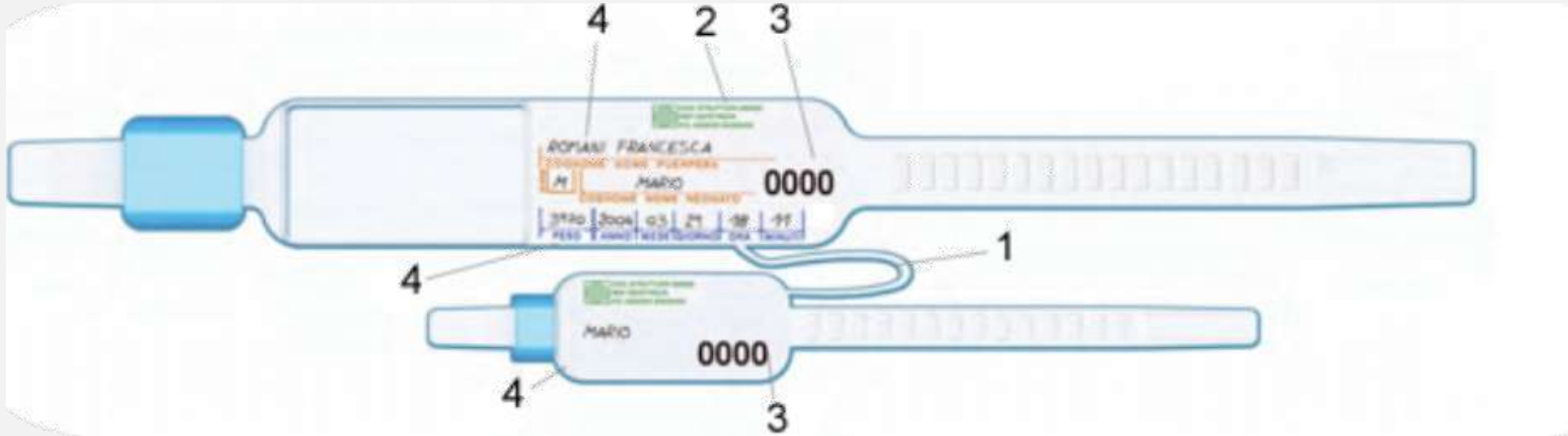


SET COMPONENTS:

- 1 Pre-printed mother-baby numbered and personalized
- 5 Pre-numbered and personalized stickers (for birth register, crib, medical records, spare and parent identification)
- 1 Special permanent pen - can be used directly on the bracelet

Security mother- infant bracelets: how to use

025-7401-828



- The two bracelets, originally joined (1), are separated and applied to the mother and newborn immediately after birth.
- Each mother and newborn is given a bracelet that displays, in addition to the hospital facility identification code (2), the same pre-printed sequential identification number (3), same as unique RFID code of the bracelet RFID inlay.
- The same sequential identification number (3) is reported on the birth register along with the data relating to the event, as well as on the medical records of the mother and newborn. This operation is facilitated by using pre-numbered stickers provided to the mother-to-be.
- Each birth center may, at its discretion, add other identifying elements in addition to the sequential identification number (3).

Functions and Operational Benefits

Automatic Identification

Bracelets enable quick and accurate automatic identification of patients to enhance safety and reduce errors.

Prevention of Infant Mix-Ups

The bracelets help prevent infant mix-ups by ensuring accurate matching between babies and mothers.

Emergency Alert System

Bracelets enable swift emergency alerts, allowing medical staff to respond promptly to urgent situations.

Improved Workflow Efficiency

These bracelets streamline nursing workflows, saving time and improving patient care quality.



Applicable Certifications and Compliance Standards



Medical Device Standards

ISO 13485 sets quality management standards specifically for medical devices ensuring consistent safety and performance.

Regulatory Approval

EU guidelines provide regulatory framework for safety and effectiveness of medical devices in the healthcare market.

Electromagnetic Compliance

CE certifications ensure electromagnetic compatibility of wireless medical devices like RFID bracelets for safe use.

Product Quality Insurances

Codified and certified components, materials, and production processes.

Certifications:

- food-grade, latex-free, non-toxic, and hypoallergenic plastic materials (EU Directive 677/584, Law 256/74; test compliance EN-ISO 527-1 and UNI ISO 175).
- safety of the lettering against wear and liquids;
- certified tear resistance;
- customization of all variable characteristics.



Implementation in Hospital Environments

025-7401-828

Integration into Care Protocols

Hospitals incorporate bracelets into maternal care protocols to improve patient safety and tracking accuracy.

Staff Training






Medical staff receive training to effectively use and manage the bracelets in clinical workflows.

System Connectivity

Bracelets are connected to hospital information systems to enhance monitoring and record keeping.





Field of action of LeghornGroup


-  **PROTECTION:** We can protect your goods and assets with security seals and various products for tamper protection. The company can create bespoke, technical solutions to meet client's requirements.
-  **CONTROL:** We ensure goods and people can be monitored using security products and integrated complete hardware and software solutions that allow the operator to monitor and intervene in real time, even remotely.
-  **IDENTIFICATION:** LeghornGroup's understanding of authentication along with their innovative technical products and solutions allow users to uniquely and securely identify, goods, vehicles, containers, animals and people.
-  **TRACKING:** LeghornGroup's real time GPS tracking devices allow users to monitor location, status and movements of vehicles and people.
-  **RFID SOLUTIONS:** LeghornGroup also manufactures solutions for product authenticity; automatic identification systems using RFID to aid traceability of objects, animals and people, offering new and efficient operations to speed up the supply chain.

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