1 PRODUCT DESCRIPTION AND INTENDED PURPOSE

Timertag Pro is a passive, app-free visual communication and workflow aid that supports institutional protocol compliance by making dwell time for medical consumables visible at the point of care. Each single-use adhesive label carries a printed QR code and a passive NFC (HF RFID) inlay. Scanning the label with any internet-enabled smartphone opens a web page showing a color-coded elapsed-time display for the associated medical consumable.

Timertag Pro requires no app installation, no user account, no login, and no authentication.

2 CLASSIFICATION NOTICE

Timertag Pro operates as a visual, educational, and administrative protocol compliance aid. Timertag Pro does not interface with clinical hardware, does not record or process patient-identifiable clinical data, and does not provide diagnostic interpretation or therapeutic intervention. All clinical decisions rest with the treating clinician (Section 8). Timertag Pro is not designed or intended to replace existing record keeping, alerts, and associated patient safety systems.

3 INTENDED USERS AND USE ENVIRONMENT

For application and activation by clinical staff in hospitals and other professional care settings. Once activated, the status page may be viewed by clinicians, patients, and family members using a standard smartphone camera or NFC reader. Not intended for application and activation by patients.

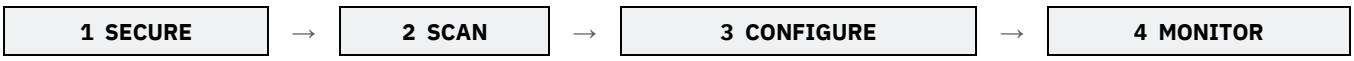
4 SYSTEM COMPONENTS

- **Timertag Pro label.** Single-use adhesive label carrying a printed 2D QR code and a passive NFC (HF RFID) inlay. Battery-free, with no internal processing and no stored patient data. Supplied non-sterile on a perforated release-liner in rolls.
- **Timertag web interface.** A web application that opens in the standard browser of any internet-enabled smartphone (iOS or Android). No installation, account, or login is required, and none exists.

5 MATERIALS AND SPECIFICATIONS

Dimensions	20 mm × 40 mm (0.79 in × 1.57 in)
Substrate	Polypropylene
Adhesive	Acrylic adhesive
Data carrier	Printed QR code and passive NFC (HF RFID) inlay
Power	None. Battery-free passive label
Sterility	Supplied non-sterile
Latex	Not made with natural rubber latex
Session life	30 days from activation

WORKFLOW OVERVIEW



6 CONFIGURATIONS AND STATUS CYCLES

One label type serves all applications. The clinical configuration is selected at activation. Status colors are elapsed-time indicators keyed to preset intervals. They are workflow prompts only and carry no clinical meaning in themselves.

6.1 EMERGENCY PERIPHERAL IV (COUNTS UP FROM ZERO)

Peripheral IV catheters inserted in emergency conditions

BLUE	0–20 h since insertion.
YELLOW	20–24 h.
RED	More than 24 h.

6.2 ROUTINE PERIPHERAL IV (COUNTS UP FROM ZERO)

Routine peripheral IV catheters placed in non-emergency conditions

BLUE	0–68 h since insertion.
YELLOW	More than 68 h.

6.3 SHORT-TERM INDWELLING URINARY CATHETER (FOLEY), (COUNTS UP FROM ZERO)

Short-term indwelling urinary catheters

BLUE	0–72 h since insertion.
YELLOW	More than 72 h.

6.4 DRESSING (COUNTS UP FROM ZERO)

Dressings

BLUE	0–6 days since placement.
YELLOW	6–7 days.
RED	More than 7 days.

6.5 IV ADMINISTRATION SET (COUNTS DOWN TO ZERO)

IV administration sets. Hang time selected at activation: 1, 2, 4, 6, 12, 24, 48, 72, or 96 hours, or 7 days

BLUE	Counting down. More than 2 h remaining.
YELLOW	Final 2 h before expiry.
RED	Selected hang time reached.

7 DIRECTIONS FOR USE

7.1 Apply

Complete insertion and securement of the primary medical consumable per hospital protocol. Peel one label from the roll and adhere it to a clean, dry, visible exterior surface:

- Peripheral IVs and dressings: the edge of the dressing.
- Urinary catheters: the exterior of the fluid drainage bag.
- IV administration sets: the drip chamber.

Do not place the label over the insertion site, the inspection window of a dressing, or printed graduations on a drainage bag. Do not place the label directly on the patient’s skin.

7.2 Scan

Hold a smartphone camera over the QR code, or hold the phone flat against the label to read the NFC inlay. Tap the browser link that appears on screen.

7.3 Select and activate

On the configuration menu, select the medical consumable option matching the clinical scenario. For IV administration sets, also select the hang-time duration. Review the selection, then tap **Activate**. The server records the timestamp, and the timing function begins. The browser may then be closed. The session continues in the cloud. Activation is permanent: a session cannot be stopped, paused, or edited. If a label is activated in error or with the wrong configuration, discard it, then apply and activate a new label. A replacement clock runs from its own activation, so rely on facility records for the original insertion time.

7.4 Monitor

Scan the label at any time to view elapsed time and status color. When the display prompts assessment, evaluate the medical consumable per institutional protocol and clinical judgment.

7.5 IV set disconnect reset

If an activated IV administration set is disconnected and facility policy assigns a 24-hour limit to disconnected sets, tap the reset icon on the status screen and confirm. The remaining time changes to 24 hours. This adjusts the current session only and does not permit reuse of the label.

7.6 Patient scanning

When scanned by a patient or family member, the page also displays a language-agnostic, graphic-supported checklist of signs that require escalation to nursing staff, including looseness, leakage, swelling, redness, pain, and fever.

7.7 Removal

Discard the label when the primary medical consumable is removed or replaced. Apply and activate a new label on any replacement medical consumable.

8 WARNINGS AND PRECAUTIONS

! READ BEFORE USE

- Timertag Pro measures elapsed time only. It does not assess clinical symptoms, patient observations, vital signs, or indications of infection.
- Status colors are workflow prompts keyed to fixed time intervals. The decision to retain, adjust, or remove a medical consumable rests solely with the treating clinician after assessment of the patient.
- Verify that the configuration selected at activation matches the clinical scenario. Timing thresholds differ between configurations.
- By design, the system uses no authentication. Anyone who scans a label can view its status page. A new non-activated label can be activated by anyone who scans it. Apply and activate in a single bedside action and confirm activation on screen.
- Single use. Do not transfer a label to another medical consumable or patient. Once activated, a session runs for 30 days and cannot be stopped or restarted.
- Do not apply the label to skin or over broken skin. Apply only to dressing, bag, or set surfaces as directed in Section 7.1.
- System will not work where no internet-enabled phone or device is available to scan the label, or if no internet connection is available.

9 MRI INFORMATION

MR Conditional. Timertag Pro labels contain a passive NFC (HF RFID) inlay with conductive elements and are classified MR Conditional under ASTM F2503.

A patient wearing a Timertag Pro label may undergo MRI under the following conditions:

- Static magnetic field of 1.5 T or 3 T, normal operating mode.
- The inlay has negligible ferromagnetic mass and presents no displacement or torque hazard in the bore.
- RF-induced heating under standard clinical pulse sequences is negligible and below thresholds associated with skin discomfort or burns.

Imaging artifacts. The inlay produces a localized, non-propagating susceptibility artifact extending approximately 2 mm to 4 mm beneath the label. Do not position the label over anatomy requiring precise sub-millimeter MRI assessment. Reposition or remove the label if it overlies the region of diagnostic interest.

10 STORAGE, HANDLING, AND DISPOSAL

Store rolls in a dry location away from direct sunlight, at 10 °C to 30 °C. Do not use labels that are damaged, soiled, or illegible. Dispose of used labels as general waste, or per facility clinical waste procedures if contaminated with blood or body fluids.

11 DATA AND PRIVACY

The system uses no accounts, logins, authentication, or patient identifiers, and is not connected to the medical record. Each session stores only the activation timestamp and selected configuration. As with any webpage, standard technical information (such as IP address and browser type) is processed to deliver the page.

12 SYMBOLS USED ON PACKAGING

Timertag Pro labels carry no symbols themselves. The following symbols appear on Timertag Pro packaging.

	Manufacturer
	Consult instructions for use
	Do not re-use. Single use only
	Non-sterile
	Keep dry
	Temperature limit 10–30 °C
	MR Conditional (ASTM F2503)
	Catalog number
	Batch code
	County of manufacture

13 MANUFACTURER

Senver Group Pty Ltd (ABN 90 622 761 380), trading as Timertag
53/61–65 Glencoe Street, Sutherland NSW 2232, Australia
www.timertag.com

Report product concerns or feedback to the manufacturer at www.timertag.com/contact.