



# Laerdal

helping save lives



## MamaAnne™

### Advancing Maternal Survival and Care

Training health professionals to deliver high-quality care during critical obstetric emergencies is essential in addressing the maternal health crisis. MamaAnne, our high-fidelity birthing simulator, focuses on clinical relevance, rapid setup, and modularity to promote realism, ease of use, and adaptability.

MamaAnne empowers your teams to meet competency requirements, fosters inclusivity, and supports the growth of simulation as maternal care advances.



# Features

## Deliveries and Drills

- Occiput anterior delivery
- Occiput posterior delivery
- Breech delivery
- Shoulder dystocia
- Eclampsia and preeclampsia
- Postpartum hemorrhage (PPH) with internal uterus or Clean Bleed Mat
- 1.5L internal and 5.0L external blood reservoirs
- Assisted deliveries: forceps and vacuum
- Maternal collapse
- Sepsis
- Cord prolapse
- Placenta delivery

## Pelvis Anatomy

- Ischial spines
- Pubic bone
- Urinary catheterization
- 375mL urine reservoir
- Bi-manual compression
- Anus for post-delivery assessment
- Rectal suppository simulation

## Abdomen

- Palpable contractions
- Atonic and tonic uterus
- Suprapubic pressure sensing
- Fetal heart sounds
- Compatible with Laerdal-SonoSim Ultrasound Solution 2.0

## Airway

- Realistic airway with uvula, vocal cords, and esophagus
- Tongue edema
- Bilateral and unilateral lung blockage
- Head tilt / chin lift
- Jaw thrust with articulated jaw
- Suctioning techniques (oral and nasopharyngeal)
- Bag-mask ventilation
- Oropharyngeal intubation
- Nasopharyngeal intubation
- Combitube, LMA and other airway device placement
- Endotracheal intubation
- Nasal and oral fiberoptic intubation
- Right mainstem intubation
- Supports Sellick Maneuver

## Breathing

- Spontaneous breathing synchronized with selected breath rate (0-60 bpm)
- Variable respiratory rates
- Anterior and posterior lung sound auscultation sites
- Compatible with ASL 5000™ Lung Solution

## Vascular

- Pre-ported IV access in both arms
- Subcutaneous and intramuscular injection sites
- Intraosseous access
- Volume infusion

## Circulation

- Adjustable BP levels: systolic / diastolic
- BP measured manually by auscultation of Korotkoff sounds
- Bilateral carotid, brachial, radial, femoral, and pedal pulses, synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation is detected and logged
- Supports NIBP

## Cardiac

- CPR compressions generate palpable pulses, blood pressure waveform, and ECG artifacts
- Realistic compression depth and resistance
- Detection of depth, release, and frequency of compressions
- Real time feedback on quality of CPR
- Extensive ECG Library
- Heart sounds synchronized with ECG
- ECG rhythm monitoring when used with simulated patient monitor

## Movement

- Full articulation of arms and legs
- Able to position on all fours: 90-degree arm locking mechanism, realistic rotation of the shoulder and hip joints, and leg bends at the knee
- Sits unassisted with fully articulating hip joints
- Seizures / convulsions
- Other positions: supine, semi-recumbent, left lateral, lithotomy, and McRoberts

## Birthing Baby

- Realistic weight and size of full-term neonate
- Palpable limbs and fontanelles
- Anatomical landmarks to identify presentation of baby
- Cutable umbilical cord
- Natural head flex
- Open mouth

## Other

- Patient voice: pre-recorded and custom sounds, instructor can simulate patient's voice
- Blinking eyes with adjustable blink rate
- Ability to open, close, or partially close eyes for consciousness cue
- Pupillary accommodation:
  - Synchrony / asynchrony
  - Normal and sluggish speed of response

## Software Controls

- Simulated touchscreen patient monitor
- LLEAP operation provides additional simulated parameters including CO2, CVP, ICP, anesthetic agent, TOF, cardiac output, and more. In addition, the LLEAP monitoring options can display x-ray, custom images, and custom video
- Simulated electronic fetal monitoring
- Compatible with VitalsBridge™ FM

## Take Your Simulation Training Further

### SimCapture

Simulation and Debriefing Management Solution



### ASL 5000™ Lung Solution

Realistic ventilation management training



### Laerdal-SonoSim Ultrasound Solution 2.0

Ultrasound training, assessment, and testing



### VitalsBridge™ FM

Real monitors, real training



## Every MamaAnne is paired with a MamaBirthingie

When MamaAnne is purchased, a MamaBirthingie is gifted to you to support your program.

Additionally, a second MamaBirthingie is donated to a selected partnership program for a community in need.



## Ordering Information

380-00250

MamaAnne Dark

Every MamaAnne is paired with a MamaBirthingie at no cost.

### Expand your simulation

390-02450	Laerdal-SonoSim Ultrasound Solution 2.0
405-01400	VitalsBridge4
405-00500	VitalsBridge™ FM
420-11900	ASL 5000™ Lung Solution
215-01050B	Laerdal Scenario Cloud

### Computer Options

400-10201	Laptop Instructor/Patient Monitor
400-09201	Tablet-PC Instructor/Patient Monitor
400-09501	Rugged Tablet Instructor/Patient Monitor
400-29301	All-in-One Panel PC Instructor/Patient Monitor

### Services

Laerdal offers comprehensive Educational Services to support your faculty competency development needs to optimize learning potential in your students, and Technical Services to help ensure your equipment is operational for maximum performance.



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