











**SUPPLY, DELIVERY AND INSTALLATION MATERNAL AND NEONATAL BIRTHING SIMULATOR AND ACCESSORIES FOR CON**

**Total: ₱11,440,242.00**

| Item No. | Qty | Unit | Specifications   |
|----------|-----|------|--|
| 1        | 1   | LOT  | <p><b>Labor and Delivery Patient Simulator</b></p> <ul style="list-style-type: none"> <li>✓ Wireless and tetherless maternal manikin</li> <li>✓ Interactive eyes or equivalent</li> <li>✓ Automatic visual object tracking and lifelike eye movements</li> <li>✓ Fully programmable airway, breathing, and physiological circulation parameters</li> <li>✓ True-to-life shoulder dystocia, breech, and C-section deliveries</li> <li>✓ Integrated array of sensors tracks the participants' performance in real-time</li> <li>✓ Automatic recognition of at least 50 virtual medications</li> <li>✓ Speech               <ul style="list-style-type: none"> <li>• 2-way voice communication</li> <li>• Pre-recorded speech</li> <li>• User-recorded speech</li> </ul> </li> <li>✓ Approx. Manikin Size: 65" x 20"</li> <li>✓ Approx. Manikin weight: 100-115 lbs</li> </ul> <p>   </p> <ul style="list-style-type: none"> <li>• <b>MONITORING DEVICE</b> <ul style="list-style-type: none"> <li>✓ Fetal Monitor</li> <li>✓ ECG Monitor</li> <li>✓ Defibrillator</li> <li>✓ Pulse Oximeter</li> <li>✓ Capnograph</li> <li>✓ NIBP Monitor</li> </ul> </li> </ul> <p>   </p> <ul style="list-style-type: none"> <li>• Abdominal cover simulating non-pregnant patient</li> <li>• At least 10 general and high-risk patient scenarios               <ol style="list-style-type: none"> <li>1. Normal Delivery</li> <li>2. Instrumental Vaginal Delivery</li> <li>3. Fetal Tachycardia (due to maternal pyrexia)</li> <li>4. Breech Delivery</li> <li>5. Fetal Central Nervous System Depression (due to narcotics administered to mother)</li> <li>6. Shoulder Dystocia</li> <li>7. Major Postpartum Hemorrhage (due to uterine atony)</li> <li>8. Maternal Cardio-Respiratory Arrest</li> <li>9. Eclampsia</li> <li>10. Umbilical Cord Prolapse</li> </ol> </li> <li>• Anteverted uterus</li> <li>• Retroverted uterus</li> <li>• At least 5 normal cervixes with patent OS (cervix opening)</li> <li>• At least 6 non-patent cervixes including 1 normal parous and 5 abnormal cervixes</li> <li>• 1 Standalone License</li> </ul> <p>   </p> <p>   </p> |



## Neonatal Birthing Simulator

- Compatible full-term baby with realistic size and weight  
Approx.: 45 cm x 15 cm x 10 cm  
Approx.: 5-6 lbs
- Wireless maternal-fetal patient simulator
- Orientation sensors in the body report internal and external
- Rotation and the position of the head relative to the body
- Anatomical landmarks include palpable fontanelles and sutures
- Natural and graceful extension and rotation of the fetal head during birth
- Fully articulating fetal neck and limbs allow the practice of obstetrical maneuvers
- Smooth skin allows the use of vacuum devices or forceps
- Smooth full body skin with seamless joints
- Full-body endoskeleton provides postural support, range of motion and resistance
- Articulated spine, shoulder, elbow, hip, and knee joints with human-like range of motion allows practice of newborn assessment techniques
- Multiple heart sound types and programmable heart rate
- Multiple respiratory sounds and programmable respiratory rates
- Crying with adjustable volume levels
- Visible head movement
- Programmable conditions for 1-minute APGAR assessment
- 2 baby delivery rings
- Birthing baby cradle
- Detachable umbilical cord



## Accessories


- Palpation abdominal cover
- Supports Leopold's Maneuvers and external cephalic version
- Contraction abdominal cover
- Postpartum abdominal cover
- Cesarean Section Abdominal Cover
- 2 umbilical cords
- 2 precut umbilical cords
- Placenta
- Epidural insert
- Bladder, Intravenous, and Postpartum Hemorrhage filling kits
- Non-invasive Blood Pressure calibration kit





- Antecubital vein replacement set
- Spare cervix and birth canal
- Artificial blood concentrate
- Mineral oil lubricant
- Hospital gown, baby head cap, receiving blanket, and diaper.
- Manual blood pressure cuff
- Mother and baby battery chargers
  - Internal batteries: 14.4 V, Lithium ion
  - Maternal manikin battery life: At least 4 hours
  - Fetus battery life: At least 7 hours

### Maternal and Neonatal Birthing Simulator Accessories

- TABLET/PC
    - ✓ Touchscreen tablet PC preloaded with software (software is preinstalled on the wireless tablet PC included with Labor and Delivery Patient Simulator).
    - ✓ Standalone software license (Manual mode)
    - ✓ Allows you to effortlessly control Labor and Delivery Patient Simulator
    - ✓ Weight: approx. 1.7 lbs
    - ✓ Display Screen: 12.3"
    - ✓ 10-point multi-touch
    - ✓ Resolution: 2736x184
    - ✓ Aspect Ratio: 3:2
    - ✓ Processor: 11th Gen Core i7-1165G7 quad-core CPU or Equivalent
    - ✓ Memory: 16-32GB LPDDR4 RAM
    - ✓ Storage: 512GB
    - ✓ OS: Windows 10 Pro or higher, License Integrated graphics
  - VIRTUAL PATIENT MONITOR
    - ✓ Processor: 12th Gen, i5-12500 (18 MB cache, 6 cores, 12 threads, 3.00 GHz to 4.60 GHz Turbo, 65 W)
    - ✓ Operating System: Windows 11 Pro Licensed
    - ✓ Memory: 8 GB, 1 x 8 GB, DDR4
    - ✓ Storage: 256 GB, M.2 2230, PCIe NVMe, SSD
    - ✓ Dimensions: 20-24" Full HD IPS Touchscreen
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- Simulator Control Software with Lifetime License (Standalone software)
    - ✓ Labor and delivery control screen with intuitive interface and options
    - ✓ Patient and fetal monitor
    - ✓ Active 3D patient animation
    - ✓ Scenario editor and player
    - ✓ Laboratory report generator
    - ✓ Activity log
    - ✓ Comprehensive library of more than 45 preprogrammed labor and delivery scenarios
    - ✓ Includes preprogrammed scenarios like Amniotic Fluid Embolism, Breech Vaginal Delivery, Magnesium Toxicity, Normal Vaginal Delivery, Placental Abruption, Postpartum Hemorrhage, Preeclampsia, Prolapsed Cord, Shoulder Dystocia
    - ✓ Automatic Mode control license
    - ✓ Streaming voice headset
    - ✓ Touchscreen vital signs monitor
  - RF communications module
  - USB wireless router
    - ✓ Wi-Fi 6: 802.11ax
    - ✓ Bluetooth Wireless 5.0 technology
    - ✓ LTE Advanced with removable SIM and eSIM support
    - ✓ Qualcomm Snapdragon X20 LTE Modem
    - ✓ LTE bands supported: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 66



Accessories for the manikin

1. 1 Unit –Delivery Bed
2. 1 Unit -AVR 1000 and PSP extension

**Certifications**

1. Authorized distributorship in the Philippines from the manufacturer
2. AHA Certification of Compliance
3. Current and Certificate of Manufacturers ISO and/or CE compliance for High Fidelity Simulator
4. Certificate of maintenance, end user training on-site for Laboratory Staff and Faculty Members
5. At least 2 years warranty
6. Certificate of parts availability in Authorized Service Center in the Philippines; at least 2 years of after sales

**Note:** Pictures are for reference purposes only

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