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# Newborn Intraosseous Infusion and Injection Leg

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| Item No. | 1018460 [W45096] |
| Weight | 1.723kg |
| MPN: | S409.M |

Read More

**SKU:**

**Categories:**Intraosseous

## Product Description

The Susie® and Simon®Intraosseous leg simulates that of a newborn. A replaceable tibial bone lies under a smooth outer skin. It includes anatomic landmarks for teaching intraosseous access and infusion. A femoral vein/artery pair is included. Features

- Replaceable spinal cord insert with skin layer, subcutaneous layer, connective tissue, and lumbar vertebrae
- Anatomic features include: iliac crests, lumbar vertebrae L2 – L5, ligamentum flavum, epidural space, and dura
- Needle insertion possible between vertebrae
- Lifelike needle resistance, including pops when needle traverses ligamentum flavum and dura

- Self-healing skin that allows 15 uses with an 18 gauge needle and 25 uses with a 22 gauge needle before replacement is necessary
- Simple to fill simulated CSF and set fluid pressure, thereby allowing students to collect CSF and measure CSF opening pressure
- Pressure system with simple push-button operation to increase or decrease pressure
- LED displays pressure set-point ranging from low, medium to high pressure
- Practice procedure in the left lateral decubitus or sitting position
- Trainer can be used to simulate aseptic technique and local anesthetic at puncture site

**Why Choose the Newborn Intraosseous Infusion and Injection Leg for Your Simulation Lab in India?**

The Newborn Intraosseous Infusion and Injection Leg (Item No. 1018460 / W45096, MPN: S409.M) by Gaumard Scientific, USA is a 1.723 kg newborn tibial IO infusion and injection trainer from the Susie® and Simon® simulator family — simulating the leg of a newborn patient for IO access and injection technique training. A replaceable tibial bone lies under a smooth outer skin, with anatomical landmarks for correct intraosseous access site identification on a newborn patient. For NRP training programmes, paediatric emergency medicine courses, neonatal nursing simulation labs, and NMC-mandated clinical skills labs in India that need to train newborn IO access on a correctly proportioned newborn limb — not a scaled-down adult leg — this is the only newborn-specific IO trainer in the catalogue.

Newborn IO access is clinically distinct from both adult tibial IO and infant IO — the bone dimensions, cortical thickness, and needle insertion force required are all different from older patient groups, and training on an adult or infant IO leg does not prepare trainees for the real-world resistance and positioning challenge of newborn tibial IO. A femoral vein/artery pair is included in the leg, enabling femoral vascular access training on the same trainer in addition to IO practice — making this a dual-purpose newborn vascular access trainer. The replaceable tibial bone maintains correct cortical resistance feedback across multiple puncture training sessions before replacement is required, extending the usable training life of the simulator.

**Why Buy from SEM Trainers?** SEM Trainers & Systems is an authorized distributor of Gaumard Scientific products in India with over 30 years of experience supplying medical simulators to 1,500+ institutions across 28 states. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support. All products carry genuine manufacturer warranty.

**Frequently Asked Questions**

**Q: Which simulator family is this leg compatible with?** A: This leg is from the Gaumard Scientific Susie® and Simon® newborn simulator family (MPN S409.M). Confirm compatibility with your specific Susie®/Simon® configuration before ordering.

**Q: Does this leg only train IO access, or other vascular access as well?** A: Both — a femoral vein/artery pair is included for femoral vascular access training in addition to tibial IO infusion practice.

**Q: How do I order and get support from SEM Trainers?** A: Contact us at sem@semtrainers.com or call +91-88495 63724 to confirm compatibility with your simulator configuration.