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## Buttock Injection Simulator

Item No. 1000514 [P57]  
Weight 2.306kg  
Dimensions 30 x 30 x 12 cm  
Brand 3B Scientific

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**SKU:**

**Categories:** Injections and Punctures



### Product Description

**Why Choose the Buttock Injection Simulator (P57) for Your Nursing College or Clinical Skills Lab in India?**

The Buttock Injection Simulator (Item No. 1000514 / P57) is a high-fidelity, electronics-integrated intramuscular (IM) injection trainer from 3B Scientific, Germany — designed for BSc Nursing, GNM, ANM, and post-basic nursing programmes, hospital in-service training, and clinical skills labs in India where correct dorsogluteal injection technique is a mandatory nursing competency assessment. The P57 is the only buttock IM injection simulator in the 3B Scientific range with integrated electronics providing immediate audiovisual feedback on injection accuracy — making it the premium choice for programmes requiring objective, real-time performance confirmation rather than instructor observation alone.

### **Why Dorsogluteal Injection Training Matters in India:**

The dorsogluteal site — upper outer quadrant of the buttock — is one of the most widely used IM injection sites in Indian clinical practice, and one of the most frequently misadministered. Incorrect needle placement in the dorsogluteal region risks sciatic nerve injury, a documented and preventable complication. Correct technique requires precise identification of three bony landmarks — the iliac crest, anterior superior iliac spine, and greater trochanter — before every injection. The P57 replicates all three landmarks in palpable anatomical detail on a lifelike buttock model, and confirms correct injection placement with immediate audiovisual feedback — training the habit of landmark identification that prevents nerve injury.

### **Integrated Electronics — Audiovisual Feedback System:**

Correctly administered injections trigger immediate audiovisual feedback — the simulator confirms in real time that the needle has entered the correct intramuscular zone at the correct depth and location. Incorrectly placed injections produce no confirmation signal, training the student to self-correct without instructor intervention. Two additional modes extend the training utility:

- **Training Mode** — real-time feedback on every injection; immediate confirmation or silence for self-correction
- **Test Mode** — feedback is withheld during the exercise and results are reviewed upon completion; replicates OSCE assessment conditions

### **Strap-On Wearable Design:**

The P57 is a strap-on simulator — it is worn by a standardised patient, actor, or fellow student rather than placed on a table. This wearable design adds the positional and patient-handling realism that table-mounted models cannot provide: the trainee must position the patient correctly, identify landmarks on a person rather than a static object, and manage the interpersonal elements of the procedure alongside the technical injection skill.

### Three Palpable Anatomical Landmarks:

- Iliac crest
- Anterior superior iliac spine (ASIS)
- Greater trochanter

All three are palpable through the realistic skin layer — teaching the landmark identification sequence as an integrated tactile skill, not a diagram exercise.

**Included in the Box:** 1 strap-on buttock injection simulator, 1 × 21G/0.8 mm injection needle, 1 × 5 ml syringe.

**Why Buy from SEM Trainers?** SEM Trainers & Systems has over 30 years of experience supplying medical simulators to 1,500+ institutions across 28 states in India. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support.

**Q: What makes this simulator different from other buttock IM injection trainers?** A: Two things — the strap-on wearable design and the integrated audiovisual feedback electronics. No other buttock simulator in the SEM range combines both. The strap-on format trains patient approach and body positioning; the electronics provide objective, real-time injection accuracy confirmation without requiring instructor observation of every needle placement.

**Q: How does the audiovisual feedback work?** A: Integrated fine electronics inside the simulator detect when a needle has been placed correctly — correct site, correct angle, correct depth for intramuscular delivery. A correctly administered injection triggers an audiovisual signal (sound and light). An incorrect placement produces no signal — giving the trainee clear, unambiguous performance feedback instantly.

**Q: What are the two training modes?** A: Training Mode provides immediate audiovisual feedback after each injection for real-time self-correction. Test / Control Mode withholds feedback during the session and reviews results at the end — replicating assessment conditions and testing whether the trainee can perform correctly without immediate confirmation.

**Q: Which anatomical landmarks are palpable on this simulator?** A: The iliac crest, anterior superior iliac spine (ASIS), and greater trochanter — the three landmarks required for safe dorsogluteal IM injection site identification using the standard upper outer quadrant technique.

**Q: Does the simulator cover the ventrogluteal site as well?** A: The three palpable landmarks (ASIS, iliac crest, greater trochanter) also define the ventrogluteal triangle, making ventrogluteal site identification trainable on the P57 in addition to the dorsogluteal approach.

**Q: Is the needle and syringe included?** A: Yes — one 21G / 0.8 mm injection needle and one 5 ml syringe are included. Replacement needles are standard 21G consumables available from any medical supply source.

**Q: Are replacement skins available for this simulator?** A: Contact SEM Trainers to confirm replacement skin availability for the P57 (Item No. 1000514). Replacement skin sets are available for some simulators in the 3B Scientific injection range.

This high-quality, strap-on intramuscular simulator is a lifelike model of a right buttock with all important anatomical landmarks for intramuscular (I.M.) injections: iliac crest, anterior superior iliac spine and greater trochanter. The integrated fine electronics provide extremely graphic feedback when training the intramuscular injection technique, correctly administered injections will produce audiovisual feedback. Additional training and control modes are available for checking results either immediately or upon completion of a training session. This anatomically realistic injection simulator is supplied with a 21G/0.8 injection needle and a 5 ml syringe.

|                               | Intramuscular Injection Simulator - Upper Arm | Intramuscular Injection Simulator - Upper Leg | Buttock Injection Simulator           | Intramuscular injection simulator | Intramuscular Injection Model of Buttocks        | Intramuscular Injection Simulator                 | Intradermal Injection Simulator             |
|-------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------------------------|-----------------------------------|--------------------------------------------------|---------------------------------------------------|---------------------------------------------|
| Item No.                      | <a href="#">1009840</a>                       | <a href="#">1000511</a>                       | <a href="#">1000514</a>               | <a href="#">1010008</a>           | <a href="#">1005394</a>                          | <a href="#">1005586</a>                           | <a href="#">1005628</a>                     |
| Body part                     | upper arm                                     | upper leg                                     | buttock                               | muscle extract with skin          | pelvis with buttocks                             | lower torso                                       | forearm                                     |
| Palpable anatomical landmarks | Yes                                           | Yes                                           | Yes                                   | -                                 | Yes                                              | Yes                                               | -                                           |
| Injection type                | intramuscular                                 | intramuscular                                 | intramuscular                         | intramuscular                     | intramuscular                                    | intramuscular                                     | intradermal                                 |
| Injection sites               | as indicated by a trainer                     | as indicated by a trainer                     | as indicated by a trainer             | all the surface                   | as indicated by a trainer                        | as indicated by a trainer                         | eight                                       |
| Proper injection              | audiovisual feedback                          | audiovisual feedback                          | audiovisual feedback                  | -                                 | green light will appear                          | -                                                 | skin welt will form                         |
| Additional information        | training and test modes are available         | training and test modes are available         | training and test modes are available | will absorb fluid                 | special skin material does not show needle marks | simulated bony structure is embedded in the torso | liquid skin repair kit included (M-1013686) |