



SEMBAG™

Disposable system for the processing, storage, packaging and distribution of boar semen.

The **Sembag™** was introduced by **Rotech** in 1994 and has since become the preferred means of semen processing in many of the world's top pig AI Centres.

The Rotech Sembag System -
as used by many
AI centres -
worldwide



A specially developed polymer forms the inner lining of this two-ply polythene bag. A welded nylon neck and a special bung with a sealed rubber spout completes the **Sembag**.

All or most of the air can be removed from inside the **Sembag** before pushing the bung fully home. Totally sealed, the **Sembag** permits anaerobic storage until the spout is cut for dispensing.



Rotech Sembags and Semboxes are available in two sizes:
3 litre and 5 litre

Semboxes are perforated for immersion into waterbaths. They can be *custom-made* to fit any waterbath.

Hygienic + Practical

- Sterile and single-use (disposable)
- No contamination risk from poorly washed glassware
- Air-tight when locked
- Bulk semen storage reduces settling out; improves semen life and motility
- Dispense semen into individual packs, as and when required
- Bulk semen distribution reduces detrimental temperature fluctuations during transit
- Saves time - no washing or drying
- Saves purified water - no need to wash glassware
- Easily stored and transported

Convenient + Cost-Effective

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Semen PROCESSING with the Sembag



1. Snip end off Sembag spout
2. Place spring clip onto spout



Warm water to 35°C using either a waterbath or microwave:

If using a waterbath



3. Place Sembag in Sembox
4. Pour measured water into Sembag
5. Pour diluent into Sembag and mix
6. Put Sembags and Semboxes into waterbath



If using a microwave



3. Place Sembag in 2 litre jug
4. Pour measured water into Sembag
5. Put Sembag and jug into microwave

N.B. do not warm diluent in microwave

6. Place Sembag onto heat mat
7. Pour diluent into Sembag and mix



When diluent + semen are within 1°C of each other

8. Pour semen into Sembag and mix



Semen PACKAGING with the Sembag

Dispense semen into individual packs, as and when required



Dispense from the Sembag,
within a Sembox,
into:
Ultraflex Tubes



Dispense directly from the
Sembag
into:
Insemination Bottles



Dispense from the Sembag,
via Semi-Automatic or Automatic Filling
+ Sealing Machines, into:
Sempacks or Flat-Packs



Dispense from the Sembag,
via the Rotech Filling Station,
into:
Sempacks or Flat-Packs

Semen STORAGE & DISTRIBUTION with the Sembag

Bulk semen storage reduces settling out; improves semen life and motility



Air-tight and easy to store.

Bulk semen distribution helps reduce detrimental temperature fluctuations during transit.

