



# MW&E

Superior systems for the reliable and safe transport of patients specimens



Collection & Transportation

# Containers CE



## Reliable and Safe Transport for Urine Specimens

MW&E's new quick turn caps with integral liners ensure quick secure seals on urines and fluid specimens.

- **Container made from polypropylene.** Doesn't crack or split in transit or during centrifugation.
- **The container contains boric acid.** The fine fast dissolving powder prevents multiplication of commensal organisms without being toxic to the pathogens which have to be identified.
- **Biological requirements.** Boricon® M40's performance complies with the biological requirements of NCCLS M40A in maintaining test organisms close to the starting level within transit times of up to 72 hours.
- **Structural requirements.** Boricon® M40's performance complies with the structural requirements of NCCLS M40A in maintaining its integrity during transportation, including by pneumatic tube systems.
- **CE-marked.** Boricon® M40 is CE-marked in accordance with the European In Vitro Diagnostic Medical Devices Directive (1998)

Boricon® M40

is compliant with latest regulations and standards

- **NCCLS M40A** is a new standard which allows manufacturers to specify the performance which can be expected from a transport device, and give users a set of criteria they can use to accurately evaluate transport devices.
- **The EU's In Vitro Diagnostic Medical Devices Directive (1998)** ensures that the product in itself presents no danger to the patient, either by being harmful in use, or by yielding false information about the patient's specimen.
- **ISO 9001:2000 & ISO 13485:2003** Quality Assurance for the design and manufacture of devices you can rely on.



### Boricon® M40 Boric Acid for bacteriostasis.

Porter and Brodie<sup>1</sup> tried various transport methods and found that boric acid provided the most reliable method of maintaining microorganisms at concentrations close to their original in transit by various means and over several days. Originally a concentration of 2% was used, but it was later shown that some organisms could be affected by this level<sup>2</sup>. MW&E's Boricon® M40 contains 200mg boric acid fine powder (fast dissolving) to give a 1% concentration for a 20ml fill. This prevents any significant bacterial growth without adversely affecting fastidious organisms. The fine powder dissolves readily ensuring no interference with cell or particle counting.

NCCLS M40A<sup>3</sup> requires challenge testing of preservative containing containers with relevant uropathogens for typical transit and holding periods. Plate counts are to remain within 1 log<sub>10</sub> of the initial organism concentration. This is included in MW&E's protocol for Boricon® M40.

#### References

- 1 Porter, I.A., and J. Brodie, 1969, Boric Acid Preservation of urine samples. *British Medical Journal*, 2:353-355
- 2 Watson, and Duerden, B., 1977, *J. Clin. Path.* 30:532-536
- 3 NCCLS, 2003, Quality Control of Microbiological Transport Systems; Approved Standard.



Boricon® M40

Features MW&E's new fast seal cap!

Integral liner has 7 layers for optimum performance

The flexible non-permeable cap liner allows proper tightening to prevent leakage and seepage of contents, is resistant to acids, alkalis and alcohols and is suitable for a variety of sample types

