

# SMART BUFFERS

## 09-2053 Borate Buffered Saline (BBS)



### Benefits

- Formulated from analytical grade chemicals
- Exactly pre-weighed tablets in bottles
- Eliminates variables in the laboratory work flow
- Ready to use in minutes
- Bactericidal

### Product description

Borate buffered saline (BBS) is commonly used in coating procedures for ELISA and as a component in blocking solutions for Western blotting. The buffer can be used as a sample diluent in biological studies and for various applications within biology and biochemistry to maintain the pH.

Medicago's BBS buffer tablets are exactly pre-weighed and supplied in a pack size of 100 tablets, each tablet giving 500 ml of 0.15 M sodium chloride, 0.01 M borate buffer with pH 8.2 at 25°C when dissolved in deionized water.

### Applications

- Protein-coating on microtiter plates
- Blocking solution in blots together with Casein or BSA
- Studies on DNA/RNA

### Directions for use

Deposit one tablet in a laboratory flask or beaker placed on a magnetic stirrer. Add 200 ml of deionized water and stir for a couple of minutes. Adjust the volume up to 500 ml, stir until full dissolution and the buffer is ready to use.

### Tips and hints

If the tablet is not properly dissolved, make sure:

- the water temperature is 22-25°C
- the buffer is properly stirred
- high quality deionized water is used

Sterilization can be performed through filtration or autoclaving.

Filter the buffer solution through a 0.22 µm filter into a sterile flask or autoclave for 15 to 20 min at 121°C and then keep at +4°C.

### Shipping and storage

BBS buffer is shipped at room temperature. Store the tablets in a dry place at room temperature. Shelf life is four years.

### Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2015 and ISO 13485:2016 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



### Specifications

Chemicals	Analytical grade
Format	Exactly pre-weighed tablets
Concentration	0.15 M NaCl, 0.010 M Borate buffer, pH 8.2 at 25 °C
Volume	500 ml
pH (1 tablet in 500ml)	8.2 ± 0.1 at 25°C
Shelf life	Four years after production date

### Ordering information

Article no.	Product name	Pack size	Solution vol.
09-2053-100	BBS pH 8.2	100 tablets	500 ml/tablet