

# HBS Buffers

## Instructions for Use

### Product description

Buffer	Package	Order code
HBS-N	6 × 200 mL	BR100369
HBS-P	6 × 200 mL	BR100368
HBS-EP	6 × 200 mL	BR100188

**Storage:** The use-before date applies to buffer stored at 2°C to 8°C in unopened containers.

**Safety:** For use and handling of the product in a safe way, refer to the Safety Data Sheet.

**Note:** *For research use only.*

### Buffer composition

Buffer	Content
HBS-N	Aqueous buffer containing 0.01 M HEPES pH 7.4, 0.15 M NaCl
HBS-P	As HBS-N, with 0.005% (v/v) Surfactant P20
HBS-EP	As HBS-N, with 3 mM EDTA and 0.005% (v/v) Surfactant P20

All buffers are filtered through a 0.2 µm filter.

# Intended use

HBS Buffers can be used as general purpose buffers for Biacore™ systems.

The following table describes the recommended detergent-containing buffers for work with different systems.

System	Recommended detergent-containing buffer
Biacore 1000, Biacore 2000, Biacore 3000, Biacore Upgrade, Biacore X, Biacore J	HBS-P and HBS-EP
Other systems	HBS-P+ and HBS-EP+ (available as 10× concentrated stock solutions)

# Instructions

Follow the instructions below when using HBS Buffers in Biacore systems.

Step	Action
1	Before opening the buffer container, let it equilibrate at room temperature.  <b>Note:</b> <i>Once the container has been opened, avoid exposing the buffer to low temperatures (e.g., refrigeration) and agitation (e.g., stirring and pouring), because these promote air uptake.</i>
2	Insert the tubing from the Biacore instrument into the buffer container through the existing straw hole or a small scissor-cut hole.  <b>Note:</b> <i>For analysis performed above room temperature, degassing the buffer is recommended to reduce the likelihood of air spikes. Any standard laboratory degassing method may be used.</i>
3	Follow the instructions in the instrument handbook for start-up with a new buffer.
4	For best performance, replace with new buffer daily.

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