

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	<p>Before opening the buffer container, let it equilibrate at room temperature.</p> <p>Note:</p> <p><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></p> <p>Note:</p> <p><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></p>
2	<p>Insert the tubing from the Biacore instrument into the buffer container through the existing straw hole or a small scissor-cut hole.</p> <p>Note:</p> <p><i>Do not make an airtight seal around the tubing.</i></p>
3	<p>Follow the instructions in the instrument handbook for start-up with a new buffer.</p>
4	<p>For best performance, replace with new buffer daily.</p>

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