dynamic BIOSENSORS heliX plus 10X BUFFER A PH 7.2 Running Buffer User Manual

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Product Information

Specifications

- **Product Name:** heliX+
- **Model Number:** BU-P-150-10
- **Buffer Type:** 10X Buffer A pH 7.2
- **Manufacturer:** Dynamic Biosensors GmbH & Inc.
- **Order Number:** BU-P-150-10 v2.1

Product Description

The heliX+ is a running buffer designed for use with the profile system by Dynamic Biosensors. It is a 10X Buffer A with a pH of 7.2.

Table 1. Contents and Storage Information

Material	Composition	Amount	Storage
10x Buffer A pH 7.2	500 mM Na_2HPO_4/NaH_2PO_4, 1.5 M NaCl; 0.2 µm sterile filtered	50 mL	RT

Order Number: BU-P-150-10

- For research use only.
- This product has a limited shelf life, please see the expiry date on the label.
- At temperatures lower than 18°C precipitation may occur.

Preparation

- Dilute the complete solution 10x Buffer A pH 7.2 (50 mL) by mixing with 450 mL ultrapure water.

- After dilution, Buffer A is ready for use (50 mM Na2HPO4/NaH2PO4, 150 mM NaCl).
- The diluted buffer should be stored at 2-8°C.

Contents and Storage Information

Material	Composition	Amount	Storage
10x Buffer A pH 7.2	–	–	Room Temperature

Contact Information

- **Dynamic Biosensors GmbH:** Perchtinger Str. 8/10, 81379 Munich, Germany
- **Dynamic Biosensors, Inc.:** 300 Trade Center, Suite 1400, Woburn, MA 01801, USA
- **Order Information:** order@dynamic-biosensors.com
- **Technical Support:** support@dynamic-biosensors.com
- **Website:** www.dynamic-biosensors.com
- Product Usage Instructions

Preparation of Buffer Solution

1. Determine the volume of buffer solution needed based on your experimental setup.
2. Dilute the 10X Buffer A pH 7.2 to the desired concentration by adding the appropriate amount of deionized water.
3. Mix the solution thoroughly until the buffer is completely dissolved.
4. Adjust the pH if necessary using a suitable pH meter.
5. The prepared buffer solution is now ready for use.

Usage with proFIRE System

1. Ensure that the profile system is set up and calibrated according to the manufacturer's instructions.
2. Fill the reservoir with the prepared heliX+ buffer solution.
3. Connect the electrodes as per the system setup guidelines.
4. Start the system and run your experiments following the proFIRE system protocol.
5. After usage, properly clean and store the system components as recommended.

Cautions

- Avoid contamination of the buffer solution to prevent interference with experimental results.
- Handle the buffer solution and system components with care to avoid spills or damage.
- Dispose of used buffer solution and any waste materials according to local regulations.

FAQ

Q: How should I store the heliX+ buffer solution?
A: The heliX+ buffer solution should be stored at room temperature away from direct sunlight.

Q: Can I reuse the buffer solution for multiple experiments?
A: It is recommended to prepare fresh buffer solution for each experiment to ensure consistent results.

Documents / Resources

	dynamic BIOSENSORS heliX plus 10X BUFFER A PH 7.2 Running Buffer [pdf] User Manual BU-P-150-10, heliX plus 10X BUFFER A PH 7.2 Running Buffer, heliX plus 10X BUFFER A PH 7.2, heliX plus, Running Buffer, Buffer

References

- HomePage \| Biosensors International Ltd
- Home - Dynamic Biosensors
- Home - Dynamic Biosensors
- User Manual