

User Guide: General Extract Buffer 4 (GEB4)

ACC 00380 • Powder

Instructions

Prepare buffers fresh each day. Storing user-prepared 1X buffers for extended periods comes with risks such as precipitation, growth, or contamination which can have an effect on test performance. For those willing to assume this risk Agdia has recommended storage conditions and preservatives where possible.

Agdia's powdered and liquid concentrate buffers are designed, when made following their protocol, to have a pH within the approved range. Checking the pH of the buffers can serve as a procedural check, but is not required, simply recommended.

Handling Information

Components should be stored according to each product's label. All materials should be warmed to room temperature (18 - 30 °C) before use. For materials provided please see the product webpage.

Safety

Agdia recommends reading all relevant SDS sheets before using assay components: <http://docs.agdia.com/datasheets.aspx>.

General Extract Buffer 4 (GEB4) (1X)

1. General Extract Buffer 4 (GEB4) is used to grind and dilute samples.
2. Shake the bottle of powdered buffer before measuring to ensure components are thoroughly mixed.
3. Prepare GEB4 powder in water according to the table below:

Powder	16.5 g
TWEEN® 20	10.0 g
Water ¹	500 mL

¹Use deionized or similar purity water

4. Add approximately 100 mL of water to the powder and mix into a smooth slurry.
5. While mixing, slowly add the remaining volume of water and the TWEEN® 20 to the solution.
6. Stir for 15 to 30 minutes or until the powder is dissolved.
7. **Optional:** Adjust the pH to the range of 7.2 to 7.6.
8. **Optional:** Add sodium azide (Sigma S2002) at a rate of 0.2 g per liter (0.02 %) and store at 2 - 8 °C.

Warranty

Agdia reagents are warranted for performance issues that arise from manufacturer defect. See product packaging for relevant expiration dates. Agdia's return policy can be found at www.agdia.com/customer-support/return-policy.

Additional Information

If you would like more information on how to run ELISA, please see Agdia's FAQ section, <http://www.agdia.com/customer-support/frequent-questions-and-troubleshooting>. For further documentation, including this user guide, please see Agdia's specific product webpages. For answers to your technical questions, please contact us at techsupport@agdia.com.

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