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PEPTIDE TEST

Peptide Test Reconstitution and Filtering Starter Kit

Product Specifications

- **Product Name:** Reconstitution and Filtering Starter Kit

- **Usage:** Reconstituting and filtering water-soluble peptides
- **Application:** Laboratory research
- **Components:** Reconstitution tools, filtering equipment

Product Usage Instructions

Procedure for Reconstituting and Filtering Peptides

This procedure outlines the steps to reconstitute and filter water-soluble peptides using the Reconstitution and Filtering Starter Kit. It can be used on its own, but is best followed alongside the instructional video: Watch

Step 1: Prepare Your Workspace

- Disinfect all surfaces and packaging of all materials in the kit that you will use for this cycle with Curad Alcohol Prep Pads.
- Wear a new pair of exam gloves (not supplied) and sanitise hands with Curad Alcohol Prep Pads.

Step 2: Reconstitute the Peptide

- Remove the caps from the lyophilised peptide vial (not supplied) and bacteriostatic water (30ml vial).
- Wipe the vial stoppers from the step above, plus a 2/3 ml sterile vial with an alcohol prep pad, and let them dry.
- Attach a 25g 5/8″ Dynarex needle to an Exel 3ml Luer Lock Syringe.
- Draw the desired amount of bacteriostatic water (30ml vial) into the syringe.
- Slowly inject the water into the lyophilised peptide vial along the glass wall. (Note: The peptide vial may be under vacuum and “suck in” the bacteriostatic water—this is normal.)
- Swirl gently—do not shake—to dissolve the peptide. Let it sit for 10-15 minutes minimum until the solution is clear and bubbles have subsided.
- Remove the needle.

Step 3: Draw the Reconstituted Solution

- Attach a 25g 1-1/2″ Dynarex needle to your Exel 3ml syringe.
- Withdraw the reconstituted peptide solution from the vial, ensuring you reach the bottom corner of the vial with the needle.
- Remove the needle.

Step 4: Prepare for Filtration

- FIRMLY attach a Tisch Scientific .22µm PES 4mm syringe filter to the syringe.
- Attach a fresh 25g 5/8″ needle to the filter's outlet.
- Insert a vent needle (25g 5/8″) into the receiving sterile vial to equalise pressure.
- Attach a Tisch Scientific .22µm PES 4mm syringe filter to your vent needle.

Step 5: Filter the Solution

- Slowly press the plunger to filter the solution into the sterile vial.
- If filtering a larger volume (>3ml) or a thicker peptide solution, switch to a Tisch Scientific .22µm PES 13mm filter and use the 4mm filter for the vent.

Step 6: Flush the Filter

- Leave the needle and filter in the vial and unscrew and remove the syringe.
- Use a new 25g 5/8″ needle to draw up a small amount of bacteriostatic water into the syringe.
- Remove the needle.
- Holding the syringe upright, draw in air until the plunger hits the built-in stop at 3ml.
- Firmly reattach the syringe to the filter and forcefully push the bacteriostatic water/air through the filter.
- Label the vial and store as needed.

Final Step

- Dispose of all used needles in a sharps container. Your peptide is now reconstituted and filtered.

Frequently Asked Questions

Q: Can the filtering equipment be reused?

A: The filtering equipment provided in the starter kit is designed for single-use to maintain optimal filtration efficiency.It is recommended to use a new filter for each reconstitution process.

Q: Is it necessary to watch the instructional video?

A: While it is not mandatory, following the instructional video alongside the written procedure can help ensure accurate reconstitution and filtering of peptides.

Documents / Resources

	Peptide Test Reconstitution and Filtering Starter Kit [pdf] Instructions Reconstitution and Filtering Starter Kit, and Filtering Starter Kit, Filtering S tarter Kit, Starter Kit

References

- User Manual

Peptide Test

and Filtering Starter Kit, Filtering Starter Kit, Peptide Test, Reconstitution and Filtering Starter Kit, Starter Kit

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