

GL-Tip™ GC Instruction Manual

Thank you for purchasing GL-Tip™ GC. GL-Tip GC is a sample preparation tip column packed with highly purified carbon graphite designed for desalting and enriching peptide samples, particularly hydrophilic phosphopeptides. GL-Tip™ GC is often used in combination with GL-Tip™ SDB (available separately, P/N 7820-11200) to ensure that peptides with the widest range of polarity are captured in high yields.

1. Product Description

- Check for damage or missing parts.

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Part No. (Order No.)	7820-11201
GL-Tip GC	96 tips
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2. Product Handling

- Handle GL-Tips delicately; avoid dropping or tapping the tips, which may harm the column bed.
- Do not autoclave GL-Tips
- GL-Tips are designed for use with a centrifuge. Attempting to use GL-Tips with syringes, pipettes, or any air-forced solvent flow methods may result in reduced or irreproducible results.
- Actual maximum or minimum sample concentration and loading volume are sample-dependent, and can vary with different detergents or denaturants present in the sample. Therefore, sample loading conditions *optimum-for-your-particular-sample* must be determined empirically in your laboratory.
- Make sure to use the purest acetonitrile available. Even some HPLC-grade acetonitrile has been shown to contain both high and low MW impurities which could complicate MS results.
- GL-Tip GC are disposable and should not be reused.
- GL-Tip GC should be stored in an environment with relatively constant temperature and humidity.

3. Solvent / Solution Preparation*

- ① **Recommended Chemicals**
 - Highly pure acetonitrile (HPLC grade or higher)
 - Trifluoroacetic acid (HPLC grade or higher)
- ② **Solutions Required**
 - Solution A: Water (0.1% TFA)
 - Solution B: 80% acetonitrile in Solution A.

***Note: Prepare solutions A & B on the day of the experiment**



4. Purification Protocol

Make sure that the solution is completely eluted from the tip column after each centrifuge operation.

(**RT: Room Temperature)

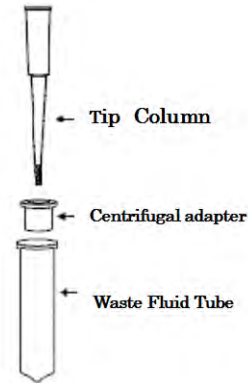
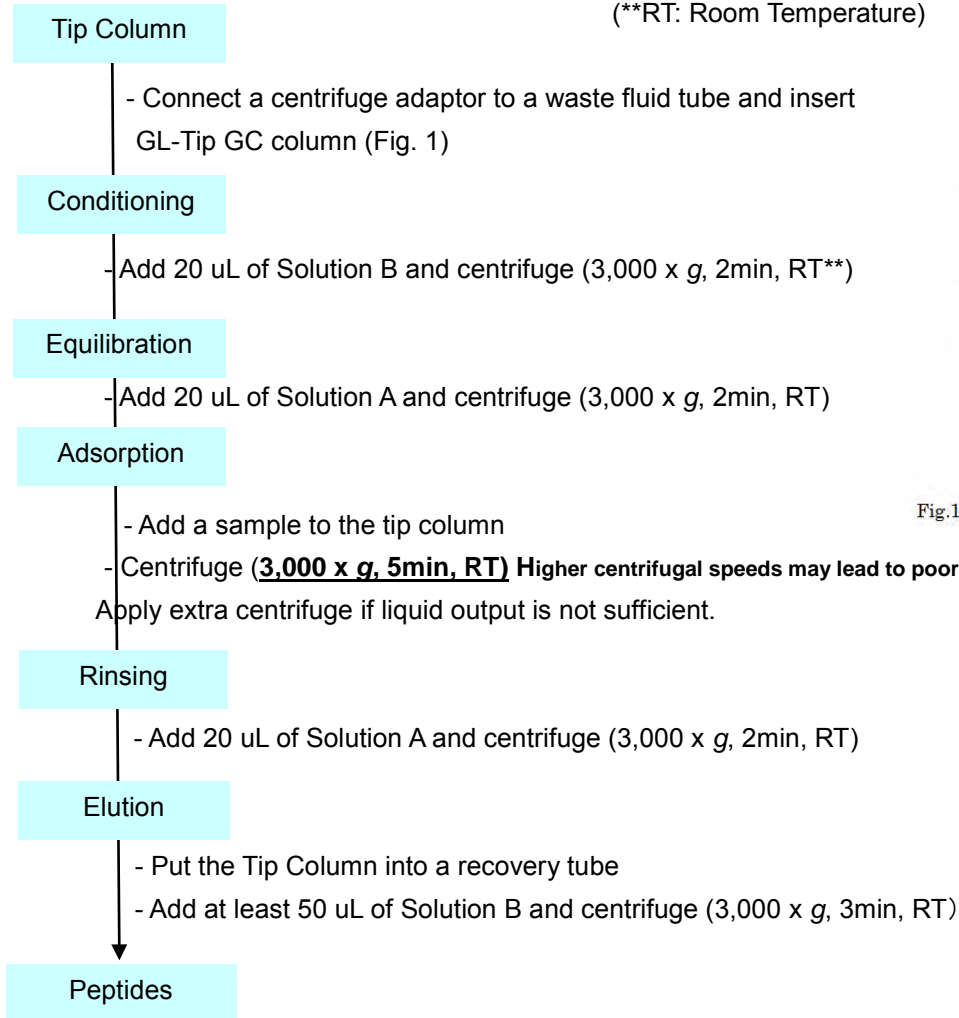


Fig.1 Setting of Tip Column

GL-Tip GC is manufactured, inspected, packed and shipped under strict standards of quality control. Please contact us if you have questions regarding the proper use and performance of GL-Tips.

GL-Tips are intended for research purposes and no guarantees or warranties are expressed or implied beyond what is described herein.

● The following GL-Tip adaptors are used to secure the tips in the collection tubes or 96-well plates.

- Part No.: 5010-21514: Centrifugal adaptor (24 units)
- Part No.: 5010-21341: Centrifugal adaptor 200µL for 96 well plate (1 unit)
- Part No.: 5010-21343: Centrifugal adaptor 200µL for 96 well plate (2 units)



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