

Installing the Cooling Cavity Adapter

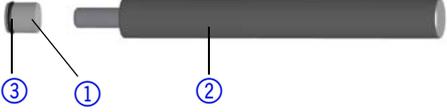
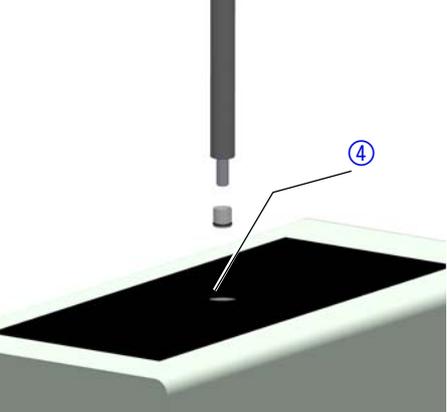
The measuring head for plastic vials (A0840-2) is designated to be used with the freezing point osmometer K-7400S (A0006AC). If you want to use this measuring head with the predecessor K-7400, the cooling cavity adapter is required. The adapter allows optimum heat transfer between measuring head and cooling device.

- Scope of delivery**
- Cooling cavity adapter
 - Adapter tool

Prerequisite The packaging is removed.

Tools Tool (part of delivery) or screw with M5 × 55 threading

Note: The adapter walls are thin and easy to bend. Do only use little pressure for inserting and tamping.

Steps	Figure
<p>Process</p> <p>1. Attach the adapter ① to the tool ② by screwing it clockwise to the thread until both ends flush with each other. Ensure that the O ring ③ of the adapter is oriented to the end of the tool as shown in the figure.</p>	
<p>2. Carefully insert the adapter into the cooling cavity ④ of the osmometer until you reach the bottom.</p> <p>3. Remove the tool from the adapter by unscrewing it counterclockwise.</p>	

Next steps To make sure the adapter fits correctly, use a vial to push it in once again. If you want to remove the adapter from the cooling cavity, follow the same steps as described for installation in reverse order.

Default temperatures The new measuring head for plastic vials (A0840-2) should be used at different default temperatures compared to the former measuring heads for glass and plastic vials (A0840, A0840-1). The temperatures can be set in screen COOL. The procedure to change these settings is described in the section "Internal Software Structure" of the user manual (V3707 for K-7400, V3700 for K-7400S).

Recommended default temperatures:

- For the initiation temperature "freeze": -8°C
- For the minimum temperature "cooling limit": -16°C

Measurement position The adapter is designed to perfectly fit the sample tube, ensuring optimal contact with the cooling cavity. By this the adapter also holds the measuring head during measurements. As a consequence, the feet of the measuring head do not rest on the device.