R9AF2 carbon-fiber fixed angle rotor for high-speed refrigerated centrifuge
R7AF3 carbon-fiber fixed angle rotor for large-capacity refrigerated centrifuge

4 times as convenient, new 1L-bottle with wider mouth

The R9AF carbon-fiber fixed angle rotor for high-speed refrigerated centrifuge and the R7AF2 carbon-fiber fixed angle rotor for large-capacity refrigerated centrifuge have been upgraded to the R9AF2 carbon-fiber fixed angle rotor and the R7AF3 carbon-fiber fixed angle rotor respectively. Owing to this upgrading, the new **1000PP bottle (WM)** has been developed. It has a mouth 4 times wider than that of the conventional 1000PP bottle (2). Compared to the conventional bottle, the sediment after centrifugation can be more efficiently collected and the new wide-mouth 1L bottle is easier to wash.

1. Appearance

![Side view of 1000PP bottle (WM) and 1000PP bottles (2)](image1)

**Fig.1**
Left: **1000PP bottle (WM)**
Right: 1000PP bottle (2)

![Top view of 1000PP bottle (WM) and 1000PP bottles (2)](image2)

**Fig.2**
Left: **1000PP bottle (WM)**
Diameter of mouth: **73 mm**
Right: 1000PP bottle (2)
Diameter of mouth: **38 mm**
2. Example of centrifugation
   Equipment used and centrifugal conditions
   Centrifuge: CR-G series high-speed refrigerated centrifuge
   Rotor: R9AF2 fixed angle rotor
   Bottle: 1000PP bottle (WM)
   Speed: 9,000 rpm
   Maximum RCF: 15,200xg
   Time: 60 minutes
   Temperature: 20 °C
   Acceleration and deceleration: ACCEL mode "9", DECEL mode "5"
   Amount of sample: 900 ml
   Sample: Fine powder dispersed in water

Fig.3 Example of centrifugation for collection of sediment

3. 1000PP bottle (WM)
   Part No.: S307700A (6 pcs./set)
   Material: Polypropylene
   Maximum actual capacity: 900 ml
   Amount of sample: Optional up to 900 ml
   Cap: 1000 cap (WM) (Part No.: S410870A (2 pcs./set), Material: Polypropylene)
   Applicable rotor: R9AF2 and R7AF3 (Use of the 1000PP (WM) spacer (Part No.: S411272A) makes this bottle applicable to the R9AF and R7AF2 fixed angle rotors.)
   Allowable imbalance: Maximum 6 g between the symmetrically arranged bottles in each rotor

For further information, please contact the personnel in charge of application in Life-Science Instruments Division, Hitachi Koki Co., Ltd. (Fax: +81-3-3226-7845).