

TUNAIR™ Shake Flask Systems



The patented TUNAIR™ systems have been designed particularly for applications in microbiology and biotechnology. They consist of unique polypropylene shake flasks (with or without baffles) and two piece caps which can easily be fitted with a replaceable filter. The specific flask design and the air permeable lid provide an increase of dissolved oxygen in the culture media for optimum growth conditions and high yields of aerobic microorganisms, mammalian cells and plant cells.

The TUNAIR™ flasks are available for 300 ml and 2500 ml. The recommended working volume for optimum growth conditions is 100 ml for the small flask and 1000 ml for the large flask. Both flask sizes can be ordered with three different baffle configurations:



Without baffle
 • for normal motion



Half baffle flask (2-baffles)
 • for vortex motion



Full baffle flask (6 baffles)
 • for propeller motion

The filters for the TUNAIR™ systems have a pore size of 0.22 µm. They are available as durable silicone filters or as Dri-Gauze™ filters (nitrocellulose) that can be used up to 10 – 12 times. Both filter types are autoclavable. It is recommended to leave the silicone in the cap for autoclaving. The Dri-Gauze™ filter can be autoclaved separately or inside the cap.

Cat. No.	Description	
SS-2001C	300 ml TUNAIR™ Kit , 12 x flask without baffle, 12 x two piece cap, 12 x Dri-Gauze™ filter	
SS-2001S	300 ml TUNAIR™ Kit , 12 x flask without baffle, 12 x two piece cap, 12 x silicone filter	
SS-2002C	300 ml TUNAIR™ Kit , 12 x flask half baffle, 12 x two piece cap, 12 x Dri-Gauze™ filter	
SS-2002S	300 ml TUNAIR™ Kit , 12 x flask half baffle, 12 x two piece cap, 12 x silicone filter	
SS-2003C	300 ml TUNAIR™ Kit , 12 x flasks full baffle, 12 x two piece cap, 12 x Dri-Gauze™ filter	
SS-2003S	300 ml TUNAIR™ Kit , 12 x flasks full baffle, 12 x two piece cap, 12 x silicone filter	
SS-6001C	2.500 ml TUNAIR™ Kit , 4 x flask without baffle, 4 x two piece cap, 4 x Dri-Gauze™ filter	
SS-6001S	2.500 ml TUNAIR™ Kit , 4 x flask without baffle, 4 x two piece cap, 4 x silicone filter	
SS-6002C	2.500 ml TUNAIR™ Kit , 4 x flask half baffle, 4 x two piece cap, 4 x Dri-Gauze™ filter	
SS-6002S	2.500 ml TUNAIR™ Kit , 4 x flask half baffle, 4 x two piece cap, 4 x silicone filter	
SS-6003C	2.500 ml TUNAIR™ Kit , 4 x flasks full baffle, 4 x two piece cap, 4 x Dri-Gauze™ filter	
SS-6003S	2.500 ml TUNAIR™ Kit , 4 x flasks full baffle, 4 x two piece cap, 4 x silicone filter	
SS-2011	1 x 300 ml TUNAIR™ flask , without baffle, polypropylene	
SS-2012	1 x 300 ml TUNAIR™ flask , half baffle, polypropylene	
SS-2013	1 x 300 ml TUNAIR™ flask , full baffle, polypropylene	
SS-4001	4 x 300 ml TUNAIR™ flask , without baffle, polypropylene	
SS-4002	4 x 300 ml TUNAIR™ flask , half baffle, polypropylene	
SS-4003	4 x 300 ml TUNAIR™ flask , full baffle, polypropylene	
SS-5011	1 x 2.500 ml TUNAIR™ flask , without baffle, polypropylene	
SS-5012	1 x 2.500 ml TUNAIR™ flask , half baffle, polypropylene	
SS-5013	1 x 2.500 ml TUNAIR™ flask , full baffle, polypropylene	
SS-8001	4 x 2.500 ml TUNAIR™ flask , without baffle, polypropylene	
SS-8002	4 x 2.500 ml TUNAIR™ flask , half baffle, polypropylene	
SS-8003	4 x 2.500 ml TUNAIR™ flask , full baffle, polypropylene	
SS-3014	1 x Two Piece Cap for 300 ml TUNAIR™ flask , <u>without filter</u> , available colours: red, blue, green, or yellow	
SS-3015	1 x Two Piece Cap for 2.500 ml TUNAIR™ flask , <u>without filter</u> , available colours: red, blue, green, or yellow	
SS-3016	5 x Silicone filter for 300 ml TUNAIR™ flask cap (SS-3014)	
SS-3018	5 x Dri-Gauze™ filter for 300 ml TUNAIR™ flask cap (SS-3014)	
SS-3017	5 x Silicone filter for 2.500 ml TUNAIR™ flask cap (SS-3015)	
SS-3019	5 x Dri-Gauze™ filter for 2.500 ml TUNAIR™ flask cap (SS-3015)	
SS-7001	TUNAIR™ Starter Kit , 1 x 2.500 ml flask full baffle with cap and silicone filter, and 3 x 300 ml flasks without baffle, half baffle, and full baffle with caps, 1 x silicone and 2 x Dri-Gauze™ filter	