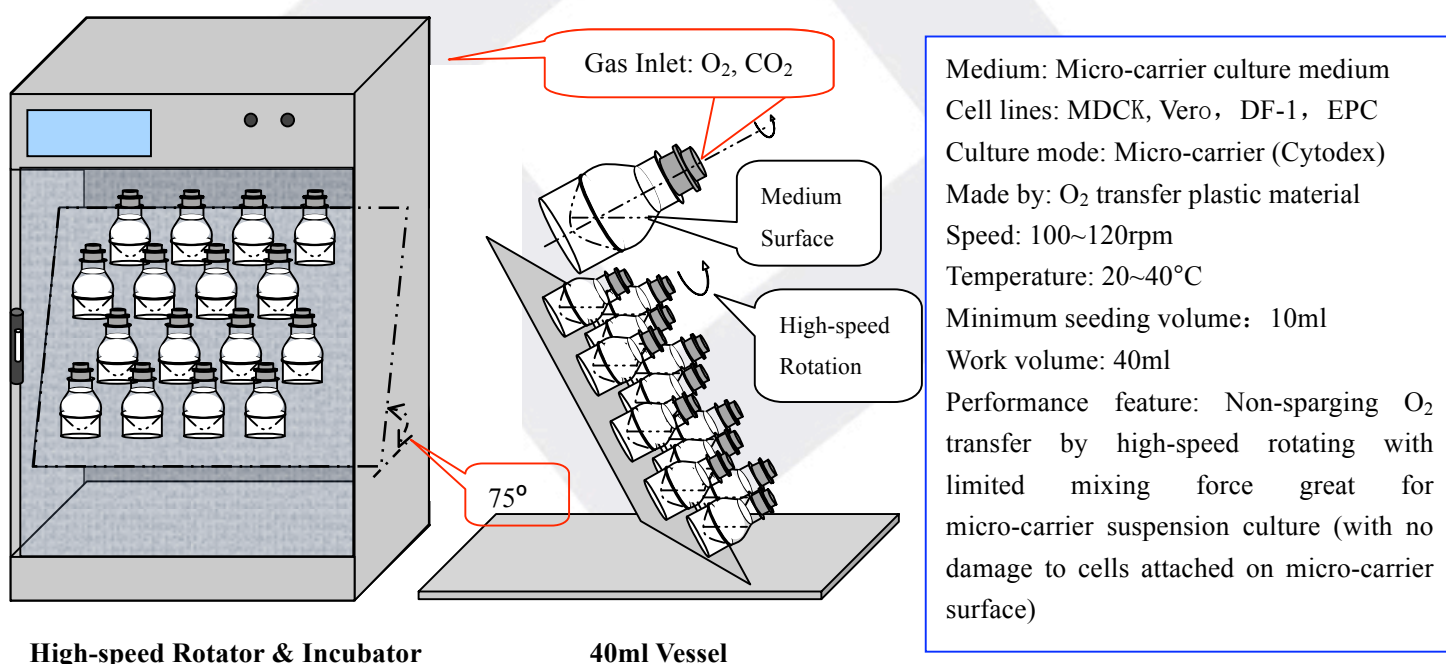


“Current” Mini-Bioreactor Systems – Micro-carrier attached Suspension

Mini-bioreactors are widely used for process development and laboratory studies of production cell line characterization, medium optimization and scale-up optimization. AmProtein’s single-use mini-bioreactor system was constructed by applying AmProtein’s discovery of a non-sparging O₂ transfer method to types of special O₂ transfer materials and cell attachment paper-carriers. Three types of mini-bioreactors are provided: (1). Cell suspension mini-bioreactor; (2). Micro-carrier suspension mini-bioreactor; (3). Cell attached paper-carrier mini-bioreactor.

Micro-carrier Suspension Mini-Bioreactor

(2). Micro-carrier suspension mini-bioreactor (40ml work volume): Micro-carrier mini-bioreactor (single-use vessel with work volume of 40ml) is designed for single-use to study vaccine-producing cell lines’ micro-carrier suspension cell culture scale up and medium optimization. These tested cell lines include Vero, MDCK etc.



High-speed Rotator & Incubator

40ml Vessel