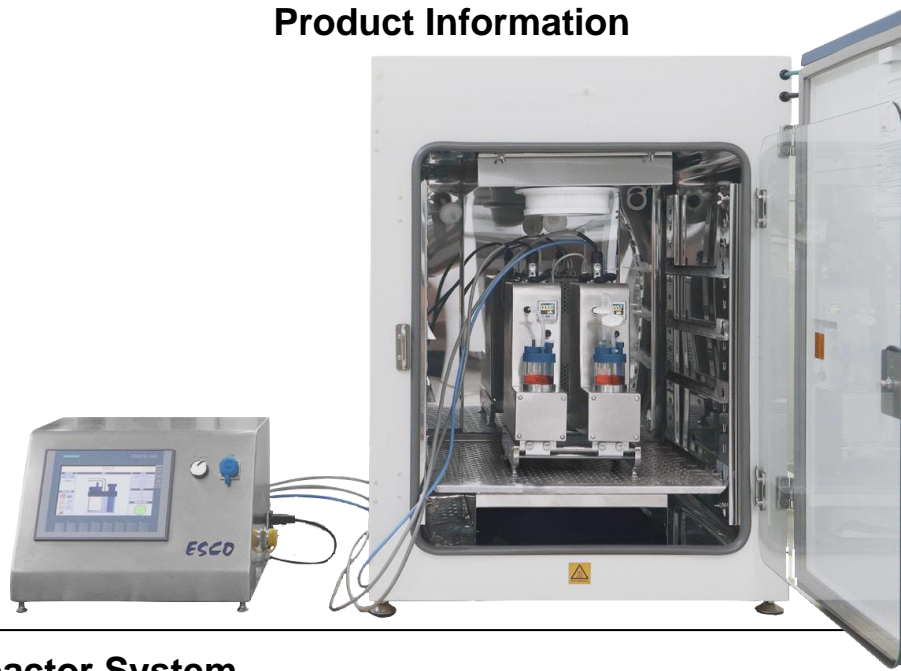


MiniTide[®] Adherent Cell Culture System

Product Information

Labortechnik



MiniTide[®] Reactor System

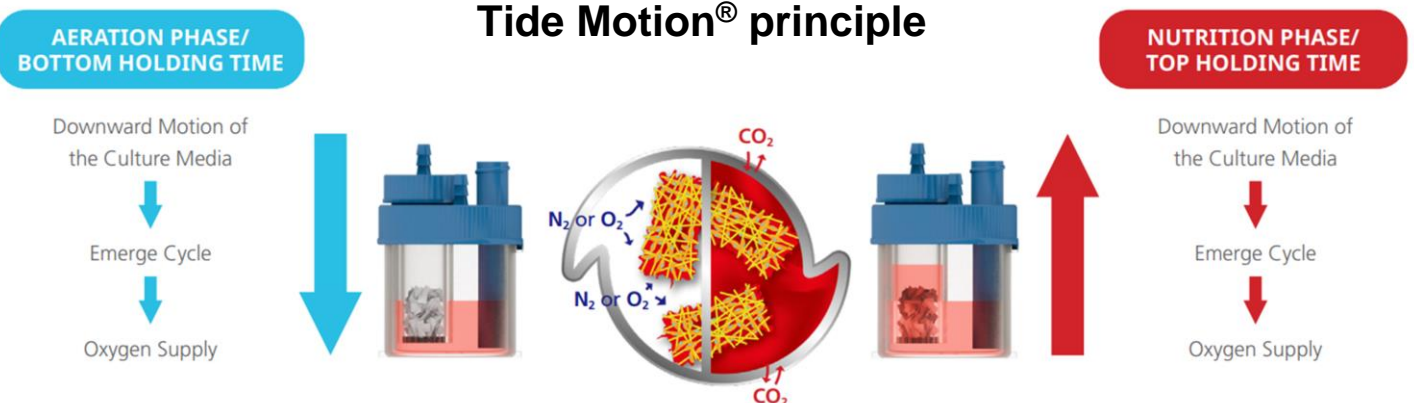
High-Yield Tide Motion[®] Cell Culture Reactor System for Adherent Cell Culture Research

Scalable system with disposable (single-use) vessels for up to 4 independent experiments








- For use in a regulated CO₂ incubator (with HEPA or ULPA filter).
- Individual control of top holding time (nutrient exchange) and bottom holding time (aeration phase) in each module; includes Siemens touch-screen HMI (Human machine interface)
- Empty or ready-to-use (pre-filled) 60 ml vessels with BioNOC II[®] or BioMESH[®] macroporous carriers for 3D cell culture (see page 4 of our [separate brochure for macrocarriers](#)); recommended working volume per MiniTide[®] vessel: 35 ml
- Recommended for rapid EV / exosome generation, cell production (for cell therapy research or production of intracellular viruses) or extracellular bioproducts (viruses, viral vectors, proteins)
- Applications:

Exosome-based research for therapeutic and diagnostic development, MSC/EVs studies or process optimization, vaccine/virus studies or process optimization, proof-of-concept for 3D carrier culture, tissue engineering

Tide Motion[®] principle



Order Information

Cat. No. (Model No.)	Description	Case
AR100025 (2231110)	 <p>MiniTide 1 System:</p> <ul style="list-style-type: none"> – 1 x TideMotion module – 1 x Siemens touch-screen HMI (Human Machine Interface) – 1 x MiniTide base assembly – 1 x 0.5 m connecting cable 	1
AR100024 (2231111)	 <p>(Not including MiniTide Vessel)</p> <p>MiniTide 2 System:</p> <ul style="list-style-type: none"> – 2 x TideMotion modules (No. 1 + 2) – 1 x Siemens touch-screen HMI (Human Machine Interface) – 1 x MiniTide base assembly – 2 x 0.5 m connecting cables 	1
(2231112)	 <p>MiniTide 3 System:</p> <ul style="list-style-type: none"> – 3 x TideMotion modules (No 1 + 2 + 3) – 1 x Siemens touch-screen HMI (Human Machine Interface) – 2 x MiniTide base assemblies – 3 x 0.5 m connecting cables 	1
AR100026 (2231113)	 <p>MiniTide 4 System:</p> <ul style="list-style-type: none"> – 4 x TideMotion modules (No 1 + 2 + 3 + 4) – 1 x Siemens touch-screen HMI (Human Machine Interface) – 2 x MiniTide base assemblies – 4 x 0.5 m connecting cables 	1
TBD	 <p>Single TideMotion Module <u>No. -1, -2, -3 or -4:</u></p> <ul style="list-style-type: none"> – 1 x TideMotion module – 0.5 m cable to connect to preceding module (modules are consecutively <i>numbered</i>) 	1
(5700010)	 <p>Base to hold TideMotion module</p> <ul style="list-style-type: none"> – includes a cooling fan 	1
1400309	 <p>MiniTide Vessels, Empty (60 ml, working volume: 35 ml)</p>	4 pcs.
1400310	<p>MiniTide Vessels, with 10 pieces BioNOC II* carriers</p>	4 pcs.
1400311	<p>MiniTide Vessels, with 25 pieces BioNOC II* carriers</p>	4 pcs.
1400313	<p>MiniTide Vessels, with 20 pieces BioMESH* carriers</p>	4 pcs.
Cell Culture Media / Supplements		
SFP2033A	<p>Plus VERO SFM, 500 g powder / bottle, can be reconstituted to upto 34 L medium; component-defined, animal component-free ultra-low protein medium, designed specifically for the growth of VERO cells; high virus yield medium.</p>	1
AM1CC18AA	<p>Plus MDCK SFM, 500 g powder / bottle, can be reconstituted to up to 34 L medium; Serum-free MDCK cell culture medium for research and production applications; superior cell growth and enhances virus titer/protein productivity.</p>	1
AM6CL16AB	<p>Super Plus (Serum Substitute), 500 g powder / bottle for 330 L medium; animal component-free, replaces up to 80-90% of serum; tested with VERO, MDCK, HEK239, BHK-21, MDBK, CHO, PK15, MAK, ST, and WI-38 cells.</p>	1

* Please contact us for more information about Esco Macrocarriers and Applications

01.2026