GEA KYTERO® 10

Experience the first tabletop centrifuge offering superior disk stack separation

GEA Engineering for a better world.

GEA.com

WORLD'S SMALLEST SINGLE USE DISK STACK CENTRIFUGE

Cell harvesting with maximum yield and performance for R&D and small-scale production

Explore further

Ideal for
1-10 l bioreactors

Upscaling to any disk stack separators (larger kytero & industrial-scale)

Easy
to operate

No utilities except power and pressurized air

Minimal lab **footprint**

Equipped with the new **GEA breezeDrive®** technology

The kytero® 10 is the world´s first single use disk stack centrifuge designed as a compact, user-friendly benchtop device that can be connected to small bioreactors. This machine plays a crucial role in developing and providing modern active pharmaceutical ingredients by efficiently separating desired compounds from fermentation broth with cell culture or bacteria in biotech labs, R&D centers and small-scale production facilities.

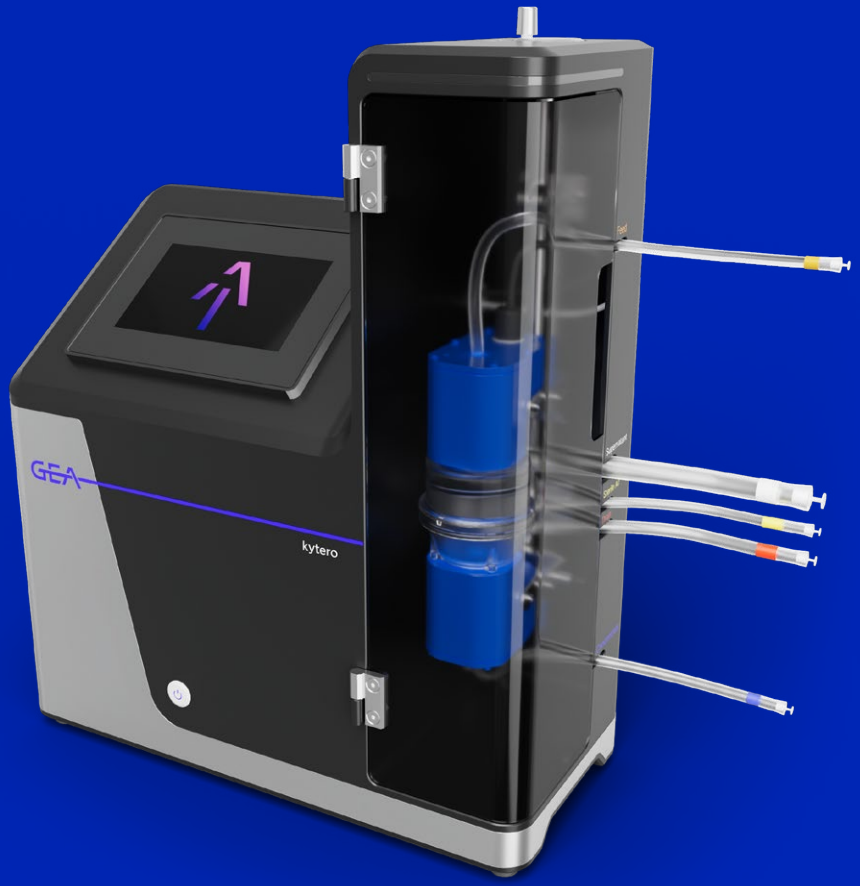
The disk stack separation technology ensures accurate results and maximum yield. Small quantities can be produced flexibly and directly on demand in the laboratory. Additionally, separation processes can be easily tested and scaled up to large production lines using the same industry-standard separation technology (e.g. continuous working disc type centrifuges).

This solution is uniquely user-friendly due to its design as the world's smallest single use disk stack centrifuge, intended for bioreactors with a capacity of 1 to 10 liters. For the first time, this type of technology is available as a benchtop device, occupying no floor space in the laboratory and easily movable as needed. High-quality results can be achieved with minimal amounts of expensive product.

GEA KYTERO® 10 MAIN TECHNICAL FEATURES

Experience the first tabletop centrifuge offering superior disk stack separation – easy to operate even in the tightest cleanroom spaces!

Video



Maximum yield

Fast setup

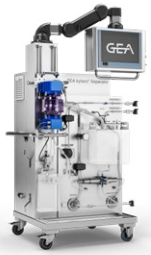
Compact design

Seamless upscaling

Secure biocontainment

Flexible production

FULLY SCALABLE GEA KYTERO® SERIES FOR SINGLE USE



Video

Scalable

Technical specifications

	kytero® 10	kytero® 500	kytero® 2000
Expected flow rate			
Mammalian cell cultures (l/h)	2 – 6	50 – 150	150 – 600
E.coli (l/h)	1 – 2	10 – 40	30 – 120
Energy requirement			
Installed electrical power (Watt)	120	600	1,000
Connection Voltage (V)	100 – 240 VAC | 50/60 Hz	120 – 230 VAC | 50/60 Hz	120 – 230 VAC | 50/60 Hz
Weights (net)			
kytero® compact multi-use skid (approx. kg)	15	280	380
kytero® single use cartridge (housing and bowl) (approx. kg)	0.3	2.5	7.5
Dimensions (L x W x H)			
Separator total (mm)	450 × 200 × 575	950 × 840 × 1,840	1,220 × 960 × 1,950
Applied standards			
Biocompatibility according to	USP Class VI and/or ISO 10993-5	USP <87> / ISO 10993 Part 5 (in vitro), USP <88> Class VI / ISO 10993 Parts 6, 10, 11 (in vivo)	
Extractable studies according to	BPOG protocol	BPOG protocol	BPOG protocol

Find out more →

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