



PureFlow

PureFlow Ultrafiltration Tubes- Newly Launched

Empowering Your
Critical Separations



Laboratory "magic" enrichment, designed for biology, chemistry, medicine and other fields of research and development, to help you easily achieve accurate separation and efficient concentration of samples. Whether it is protein, nucleic acid, or cell debris, ultrafiltration centrifuge tubes can provide rapid processing to help you get twice the result with half the effort in scientific research experiments.

PureFlow Six advantages

Reusable >20 times

Excellent acid and base
resistance (pH 0-14)
Can be cleaned repeatedly

0 glue

Adopts a glue-free
encapsulation technology

100% air tightness test

Do not leak protein

Recovery rate >90%

The separation membrane
has the same pore size and
accurate interception

Low protein adsorption

Modified the separation
membrane material

Convenient and efficient

Vertical design



Application area

Ultrafiltration centrifuge tube is suitable for biomedicine, scientific research, food industry, environmental testing, in vitro diagnosis and other fields.

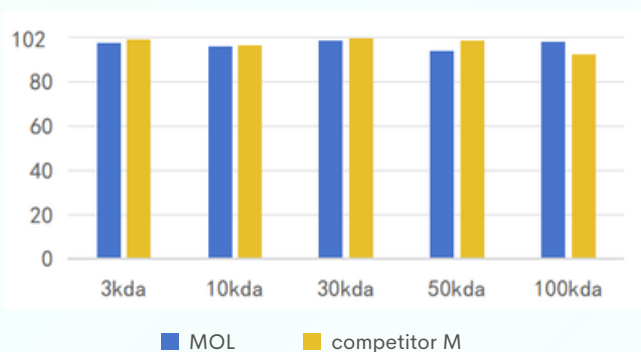
Concentration, separation, and purification of biological samples such as antigens, antibodies, enzymes, DNA/RNA, PCR products.

Purification of macromolecular components in tissue culture and extraction solutions and cell lysates.

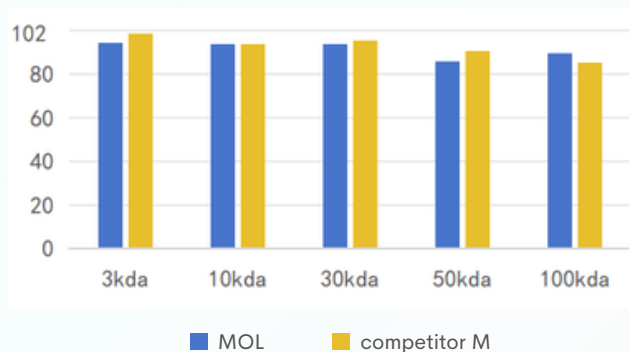
Desalination, buffer replacement, or diafiltration.

Retention Rate and Recovery Rate (Internal Test Data)

Protein Retention Rate Comparison (%)



Protein Recovery Rate Comparison (%)



Cytochrome C of 0.025% for 3KD and 10KD samples; 0.1% BSA for 30KD and 50KD samples; 0.1% IgG for 100KD samples; interception and recovery results under the same experimental conditions (Figure 1 & Figure 2) showed no significant difference from the imported competing product M.

Acid and alkali resistance (internal test data)

According experimental entally, the ultrafiltration tube was soaked with strong acid and base for 24h, and tested with 0.1% BSA solution after cleaning. High retention rate and recovery rate could be obtained after 20 days.(Table 1)

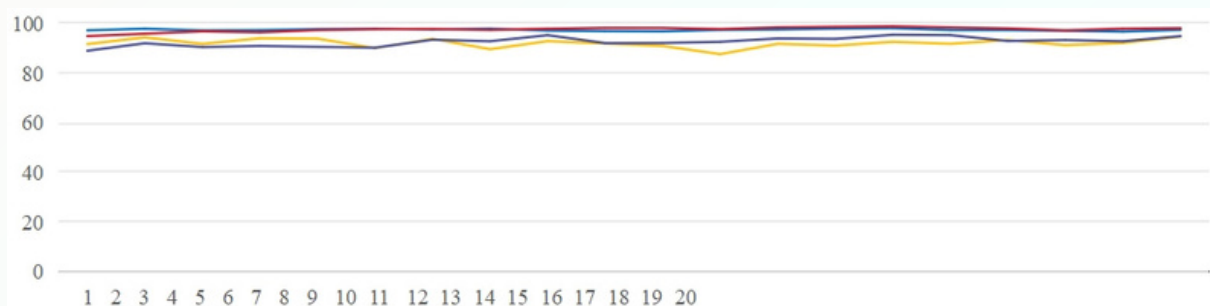
Table 1 Acid-acid-base tolerance tests

Days		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1M Sodium Hydroxide	Rejection Rate (%)	96.95	97.57	96.92	97.05	97.41	97.55	97.28	97.60	96.86	96.66	96.56	97.12	97.27	97.61	97.80	97.04	97.03	96.78	96.47	97.12
	Recovery Rate (%)	91.71	94.28	91.78	93.93	93.78	90.18	93.72	89.76	92.84	91.92	91.00	87.88	91.81	91.14	92.57	91.83	93.23	91.32	92.15	94.59
1M Hydrochloric Acid	Rejection Rate (%)	94.75	95.67	96.58	96.19	97.06	97.38	97.45	97.12	97.56	97.89	97.87	97.42	98.12	98.30	98.48	98.09	97.69	96.95	97.60	97.80
	Recovery Rate (%)	89.17	92.03	90.58	90.99	90.67	90.34	93.38	92.80	95.11	92.09	92.14	92.58	93.86	93.70	95.27	95.13	92.90	93.25	92.79	94.75

The retention rate and recovery rate of membrane ultrafiltration tube after 20 days acid and alkali soaking changed (%) Acid and alkali resistance (internal test data)



PureFlow



— 1M Sodium Hydroxide-Retention Rate(%) — 1M Sodium Hydroxide-Recovery Rate(%)
— 1M Hydrochloric Acid-Retention Rate(%) — 1M Hydrochloric Acid-Recovery Rate(%)

Product Information

Brand	Art.No	Name	Treatment volume (ml)	Molecular Weight Cut-Off (KD)	Packaging	Remarks
PureFlow	MOLPES 00315	15ml ultrafiltration centrifuge tube	15	3	12 Kits/boxes	External tube 50ml
PureFlow	MOLPES 01015	15ml ultrafiltration centrifuge tube	15	10	12 Kits/boxes	External tube 50ml
PureFlow	MOLPES 03015	15ml ultrafiltration centrifuge tube	15	30	12 Kits/boxes	External tube 50ml
PureFlow	MOLPES 05015	15ml ultrafiltration centrifuge tube	15	50	12 Kits/boxes	External tube 50ml
PureFlow	MOLPES 10015	15ml ultrafiltration centrifuge tube	15	100	12 Kits/boxes	External tube 50ml
PureFlow	MOLPES 00304	A4-ml ultrafiltration centrifuge tube	4	3	12 Kits/boxes	External tube 15ml
PureFlow	MOLPES 01004	A4-ml ultrafiltration centrifuge tube	4	10	12 Kits/boxes	External tube 15ml
PureFlow	MOLPES 03004	A4-ml ultrafiltration centrifuge tube	4	30	12 Kits/boxes	External tube 15ml
PureFlow	MOLPES 05004	A4-ml ultrafiltration centrifuge tube	4	50	12 Kits/boxes	External tube 15ml

Product Information



Brand	Art.No	Name	Treatment volume (ml)	Molecular Weight Cut-Off (KD)	Packaging	Remarks
PureFlow	MOLPES 10004	A4-ml ultrafiltration centrifuge tube	4	100	12 Kits/boxes	External tube 15ml
PureFlow	MOLPES 003S5	A0.5-ml ultrafiltration centrifuge tube	0.5	3	24 Kits/boxes	Outer tube 2ml*2, support reverse centrifugation
PureFlow	MOLPES 010S5	A0.5-ml ultrafiltration centrifuge tube	0.5	10	24 Kits/boxes	Outer tube 2ml*2, support reverse centrifugation
PureFlow	MOLPES 030S5	A0.5-ml ultrafiltration centrifuge tube	0.5	30	24 Kits/boxes	Outer tube 2ml*2, support reverse centrifugation
PureFlow	MOLPES 050S5	A0.5-ml ultrafiltration centrifuge tube	0.5	50	24 Kits/boxes	Outer tube 2ml*2, support reverse centrifugation
PureFlow	MOLPES 100S5	A0.5-ml ultrafiltration centrifuge tube	0.5	100	24 Kits/boxes	Outer tube 2ml*2, support reverse centrifugation

Note: 4ml, 0.5ml ultrafiltration centrifuge tube will be listed in April.



Access technical resources or request product evaluation samples. We enable precise biomedicine workflows.

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