

# LeKrius<sup>®</sup> Mixing Bag

SU mixing bags offer flexible customization for seamless transitions between powder-liquid and liquid-liquid mixing. The disposable stirring bag adopts a multi-layer co-extrusion film, which ensures extremely low gas permeability, good physical strength, wide chemical compatibility and biocompatibility, and can be safely used in the preparation and storage of various biopharmaceutical process materials. The disposable stirring bag is suitable for different magnetic stirring systems, with two shapes, round and square, divided into closed and open two forms, and adopts central or eccentric stirring, which can realize efficient mixing of liquid-liquid and solid-liquid, such as the preparation of medium or high-salt solution. Flexible customization of various sensor interfaces to meet the needs of online monitoring during the formulation process, covering all sizes required for R&D, pilot and commercial production: 500 mL-3000 L, with a minimum mixing volume of 500 mL, can easily achieve stable amplification and mixing results.



## Advantage

- Media preparation
- Buffer preparation
- Mix the intermediates well
- Virus inactivation
- Semi-formed product placement
- Mix the vaccine adjuvants

## Typical applications

- Magnetic coupling drive to achieve efficient mixing of powders, suspended particles, etc
- The membrane material is transparent, which is conducive to auxiliary process judgment
- Flexible customization of sizes, tubing, fittings, and filters for each process
- It can be customized or adapted to a variety of support containers

## Technical parameters

### Physical Characteristics

Testing Standards	Test Items	Test Results
ASTM-D6988	Film thickness test ( $\mu\text{m}$ )	Pass
ASTM-882	Tensile strength MD (MPa)	Pass
ASTM-882	Tensile strength TD (MPa)	Pass
ASTM-F1306	Puncture strength (N)	Pass
ASTM-D1709	Falling dart impact (J)	Pass
ASTM-F392	Kneading performance (pcs)	Pass

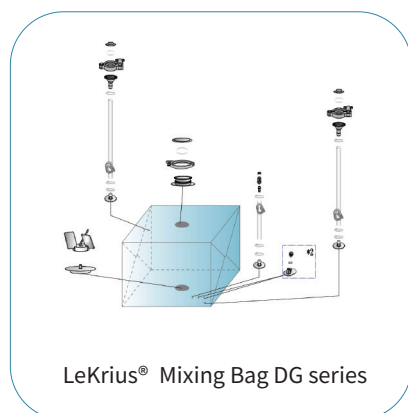
### Biocompatibility

Testing Standards	Test Items	Test Results
USP<87>	In vitro biological response	Pass
USP<88>ClassVI	In vivo biological response	Pass
USP<661>	Physical and chemical properties testing of plastics	Pass

### Performance Testing

Testing Standards	Test Items	Test Results
USP<788>	Insoluble Particle Test	Pass
USP<85>	Bacterial endotoxin test	Pass
USP<790>	Visible foreign body test	Pass
Internal methods	Integrity Testing	Pass
USP<643>	TOC Test	Pass
USP<645>	Electrical conductivity test	Pass
ASTM F88	Heat seal strength test	Pass

## Product Drawings





## Ordering information

### STM series

#### STM (Terminal CPC) Standard

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet
STM005-4K	5L	3/8"*5/8"Lepure Silicone Tubing 50cm+CPC FEMALE CONNECTOR + MALE CAP	3/8"*5/8"Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing 15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	1.5" Investment+ Clamp stuffy plate
STM010-4K	10L				
STM020-4K	20L				

#### STM (Terminal TC50) Universal

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Sampling
STM001-2K	1L	1/4"*3/8"Lepure Silicone Tubing 50cm+TC50+Clamp stuffy plate	50cm+TC50+Clamp	/	1.5" Investment+Clamp stuffy plate
STM002-2K	2L			1/4"*3/8"Lepure Silicone Tubing 20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	
STM005-2K	5L	3/8"*5/8"Lepure Silicone Tubing 50cm+TC50+Clamp stuffy plate	50cm+TC50+Clamp	1/4"*3/8"Lepure Silicone Tubing 20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	3" Investment+Clamp stuffy plate
STM010-2K	10L				
STM020-2K	20L				
STM030-2K	30L				

#### STM (Terminal CPC+electrode) High-end models

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
STM005-3K	5L	1/2"*3/4"Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"*3/4"Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing 15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	1.5" Investment+ Clamp stuffy plate	/
STM010-3K	10L					
STM020-3K	20L					PH*2

## DG series

## DG (Terminal CPC) Standard

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet
DG050-8K	50L	1/2"*3/4"Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"*3/4"Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4" Investment+- Clamp stuffy plate
DG100-8K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"*3/4"Lepure Silicone Tubing150cm+CPC MALE CONNECTOR + FEMALE CAP		
DG200-8K	200L				
DG500-8K	500L				
DG1000-8K	1000L				

## DG (Terminal TC50) Universal

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
DG050-7K	50L	1/2"*3/4"Lepure Silicone Tubing 150cm+TC50+Clamp stuffy plate		1/4"*3/8"Lepure Silicone Tubing20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate	PH*2
DG100-7K	100L					
DG200-7K	200L					
DG500-7K	500L					
DG1000-7K	1000L					
DG2000-7K	2000L	1"*11/8"Lepure Silicone Tubing 150cm+TC50+Clamp stuffy plate				
DG2500-7K	2500L					
DG3000-7K	3000L					

## DG (Terminal CPC+electrode) High-end models

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
DG050-9K	50L	1/2"*3/4"Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"*3/4"Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate	PH*2
DG100-9K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"*3/4"Lepure Silicone Tubing150cm+ CPC MALE CONNECTOR + FEMALE CAP			
DG200-9K	200L					
DG500-9K	500L					
DG1000-9K	1000L					

## PG series

## PG (Terminal CPC) Standard

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet
PG050-7K	50L	1/2"*3/4"Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"*3/4"Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+- Clamp stuffy plate
PG100-7K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"*3/4"Lepure Silicone Tubing150cm+CPC MALE CONNECTOR + FEMALE CAP		
PG200-7K	200L				
PG400-7K	400L				
PG650-7K	650L				
PG1000-7K	1000L				

**PG (Terminal TC50) Universal**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
PG050-6K	50L	1/2"×3/4" Lepure Silicone Tubing150cm+TC50+- Clamp stuffy plate	1/2"×3/4" Lepure Silicone Tubing150cm+TC50+- Clamp stuffy plate	1/4"×3/8" Lepure Silicone Tubing20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4" Investment+Clamp stuffy plate	PH*2
PG100-6K	100L					
PG200-6K	200L					
PG400-6K	400L					
PG650-6K	650L					
PG1000-6K	1000L					
PG1500-6K	1500L	1"×11/8" Lepure Silicone Tubing150cm+TC50+Clamp stuffy plate				
PG2000-6K	2000L					

**PG (Terminal CPC+electrode) High-end models**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
PG050-8K	50L	1/2"×3/4" Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"×3/4" Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"×1/4" Lepure Silicone Tubing15cm+Female Luer	4" Investment+- Clamp stuffy plate	PH+Temperature electrode
PG100-8K	100L	1/2"×3/4" Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"×3/4" Lepure Silicone Tubing150cm+ CPC MALE CONNECTOR + FEMALE CAP	1/8"×1/4" Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap		
PG200-8K	200L					
PG400-8K	400L					
PG650-8K	650L					
PG1000-8K	1000L					

**FG series****FG (Terminal CPC) Standard**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet
FG050-7K	50L	1/2"×3/4" Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"×3/4" Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"×1/4" Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4" Investment+Clamp stuffy plate
FG100-7K	100L	1/2"×3/4" Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"×3/4" Lepure Silicone Tubing150cm+CPC MALE CONNECTOR + FEMALE CAP		
FG200-7K	200L				
FG500-7K	500L				
FG1000-7K	1000L				

**FG (Terminal TC50) Universal**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
FG050-6K	50L	1/2"×3/4" Lepure Silicone Tubing150cm+TC50+- Clamp stuffy plate	1/2"×3/4" Lepure Silicone Tubing150cm+TC50+- Clamp stuffy plate	1/4"×3/8" Lepure Silicone Tubing20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4" Investment+Clamp stuffy plate	PH*2
FG100-6K	100L					
FG200-6K	200L					
FG500-6K	500L					
FG1000-6K	1000L					

**FG (Terminal CPC+electrode) High-end models**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
FG050-8K	50L	1/2"*3/4"Lepure Silicone Tubing50cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"*3/4"Lepure Silicone Tubing100cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate	PH*2+Temperature electrode
FG100-8K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"*3/4"Lepure Silicone Tubing150cm+ CPC MALE CONNECTOR + FEMALE CAP			
FG200-8K	200L					
FG500-8K	500L					
FG1000-8K	1000L					

**MG series****MG (Terminal CPC) Standard**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet
MG100-14K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	1/2"*3/4"Lepure Silicone Tubing150cm+CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate
MG200-14K	200L				
MG500-14K	500L				
MG1000-14K	1000L				
MG2000-14K	2000L	1"*11/8"Lepure Silicone Tubing150cm+ CPC FEMALE CONNECTOR + MALE CAP	1"*11/8"Lepure Silicone Tubing150cm+ CPC MALE CONNECTOR + FEMALE CAP		
MG3000-14K	3000L				

**MG (Terminal TC50) Universal**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
MG100-13K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+TC50+Clamp stuffy plate	1/2"*3/4"Lepure Silicone Tubing150cm+TC50+Clamp stuffy plate	1/4"*3/8"Lepure Silicone Tubing20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate	PH*2
MG200-13K	200L					
MG500-13K	500L					
MG1000-13K	1000L					
MG2000-13K	2000L	1"*11/8"Lepure Silicone Tubing150cm+TC50+Clamp stuffy plate				
MG3000-13K	3000L					

**MG (Terminal CPC+electrode) High-end models**

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
MG100-15K	100L	1/2"*3/4"Lepure Silicone Tubing150cm+CPC FEMALE CONNECTOR + MALE CAP	Drain valve+1/2"*3/4"Lepure Silicone Tubing150cm+ CPC MALE CONNECTOR + FEMALE CAP	1/8"*1/4"Lepure Silicone Tubing15cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate	PH*2+Temperature electrode
MG200-15K	200L					
MG500-15K	500L					
MG1000-15K	1000L					
MG2000-15K	2000L	1"*11/8"Lepure Silicone Tubing150cm+ CPC FEMALE CONNECTOR + MALE CAP	1"*11/8"Lepure Silicone Tubing150cm+ CPC MALE CONNECTOR + FEMALE CAP			
MG3000-15K	3000L					

## LG series

Pro NO.	volume	Inlet tube	Outlet tube	Sampling	Investment Outlet	electrode
LG050-1K	50L	1/2"*3/4"Lepure Silicone Tubing150cm+TC50+-Clamp stuffy plate	1/2"*3/4"Lepure Silicone Tubing 150cm+TC50+Clamp stuffy plate	1/4"*3/8"Lepure Silicone Tubing20cm+Female Luer Thread Barb + Needleless Sampler + Needleless Sampler cap	4"Investment+Clamp stuffy plate	PH*2
LG100-1K	100L					
LG200-1K	200L					
LG400-1K	400L					
LG650-1K	650L					
LG1000-1K	1000L					
LG1500-1K	1500L	1"*11/8"Lepure Silicone Tubing150cm+TC50+-Clamp stuffy plate	1"*11/8"Lepure Silicone Tubing 150cm+TC50+Clamp stuffy plate			
LG2000-1K	2000L					
LG3000-1K	3000L					

Note: 100% can be flexibly customized, please consult the regional sales manager for details