

# **ROYLAB KIRYN**

## **Pipette series**

Single-channel pipette



**Getting more for less**

- Innovatively & ergonomically designed
- Cost-effective
- Attractive features
- Effortless pipetting
- Reliable
- Robust performance



# **ROYLAB KIRYN** series - Single-channel pipettes are uniquely designed with distinctive features:

## **Ergonomic**

- Well-contoured handle & finger hook with lower tip ejection force to avoid repetitive strain injury (RSI)

## **Lightweight & durable**

- High-tech synthetic material that withstands extreme temperature & resistant to corrosion
- Guarantees thermal insulation of internal parts to improve accuracy
- Highly elastic tip cone provides good seal & easy tips removal

## **High accuracy & precision**

- Certified with CE, ISO 9001:2008 & 13485:2003
- Individually calibrated in compliance with ISO 8655
- Each pipette is furnished with a quality certificate

## **Easy for maintenance & calibration**

- Flexible assembling & disassembling
- Autoclavable for the lower section
- Re-calibration is needed after autoclaving

## **Universal tip cone**

- Compatible with most brands of tips on the market



Clear & visible 4-digit counter  
with fast counter rewinding



## Delivery Package

Pipette tips	ADJ seals
Calibration oil	Replaceable safe-cone filters (for P5000 only)
Manual	Tweezer (for P5000 only)
Quality certificate	Calibration tool



# KIRYN Pipette



- Available in 6 models covering the volume range from 0.1µl-5ml
- Identifiable with different coloured top

Catalogue Number	Model	Volume Range	Dispensing Increments (µl)	Accuracy	Precision
SCMP-KS-2	P2	0.1-2	0.002	2.5% at 2µl 3.0% at 1µl 12.0% at 0.2µl	2.0% at 2µl 3.0% at 1µl 6.0% at 0.2µl
SCMP-KS-10	P10	0.5-10	0.01	1.0% at 10µl 1.5% at 5µl 2.5% at 1µl	0.8% at 10µl 1.5% at 5µl 1.5% at 1µl
SCMP-KS-20	P20	2-20	0.2	0.9% at 20µl 1.2% at 10µl 3.0% at 2µl	0.4% at 20µl 1.0% at 10µl 2.0% at 2µl
SCMP-KS-200	P200	20-200	0.02	0.6% at 200µl 0.8% at 100µl 3.0% at 20µl	0.15% at 200µl 0.3% at 100µl 1.0% at 20µl
SCMP-KS-1000	P1000	100-1000	1	0.6% at 1000µl 1.0% at 500µl 3.0% at 100µl	0.2% at 1000µl 0.2% at 500µl 0.6% at 100µl
SCMP-KS-5000	P5000	1000-5000	5	0.6% at 5000µl 1.2% at 2500µl 2.4% at 1000µl	0.15% at 5000µl 0.25% at 2500µl 0.6% at 1000µl

## Tips Compatibility Table

Brand	Tip Ejection	Volume	Pipette Series					
			0.1-2µl	0.5-10µl	2-20µl	20-200µl	0.1-1000µl	1000-5000µl
BIOFIL	OK	10µl	✓	✓				
	OK	200µl			✓	✓		
	OK	1000µl					✓	
Axygen	OK	10µl (standard)	✓	✓				
	OK	10µl (extended)	✓	✓				
	OK	200µl			✓	✓		
	OK	1000µl					✓	
	OK	5000µl						✓
	OK	10000µl						
QSP	OK	10µl	✓	✓				
	OK	200µl			✓	✓		
	OK	1000µl					✓	
	NO	5000µl						✗
	NO	10000µl						
Eppendorf	OK	10µl	✓	✓				
	OK	200µl			✓	✓		
	OK	1000µl					✓	
	OK	5000µl						✓
	OK	10000µl						
Gilson	OK	10µl	✓	✓				
	OK	200µl			✓	✓		
	OK	1000µl					✓	
	NO	5000µl						✗
	NO	10000µl						

## Comparison of Accuracy & Precision Table

Volume Range (µl)	Eppendorf		Thermo Fisher		RoyLab	
	Accuracy	Precision	Accuracy	Precision	Accuracy	Precision
0.1-2	1.4% at 2µl 2.5% at 1µl 12.0% at 0.2µl	0.7% at 2µl 1.5% at 1µl 6.0% at 0.2µl	2.5% at 2µl 4.0% at 1µl 12.0% at 0.2µl	2.0% at 2µl 3.5% at 1µl 10.0% at 0.2µl	2.5% at 2µl 3.0% at 1µl 12.0% at 0.2µl	2.0% at 2µl 3.0% at 1µl 6.0% at 0.2µl
0.5-10	1.0% at 10µl 1.5% at 5µl 2.5% at 1µl	0.4% at 10µl 0.8% at 5µl 1.8% at 1µl	1.0% at 10µl 1.5% at 5µl 2.5% at 1µl	0.5% at 10µl 0.8% at 5µl 2.0% at 1µl	1.0% at 10µl 1.5% at 5µl 2.5% at 1µl	0.8% at 10µl 1.5% at 5µl 1.5% at 1µl
2-20	1.0% at 20µl 1.2% at 10µl 5.0% at 2µl	0.3% at 20µl 0.6% at 10µl 1.5% at 2µl	1.0% at 20µl 1.5% at 10µl 3.0% at 2µl	0.4% at 20µl 0.6% at 10µl 2.5% at 2µl	0.9% at 20µl 1.2% at 10µl 3.0% at 2µl	0.4% at 20µl 1.0% at 10µl 2.0% at 2µl
20-200	0.6% at 200µl 1.0% at 100µl 2.5% at 20µl	0.2% at 200µl 0.3% at 100µl 0.7% at 20µl	0.6% at 200µl 1.0% at 100µl 1.8% at 20µl	0.2% at 200µl 0.4% at 100µl 0.7% at 20µl	0.6% at 200µl 0.8% at 100µl 3.0% at 20µl	0.15% at 200µl 0.3% at 100µl 1.0% at 20µl
100-1000	0.6% at 1000µl 1.0% at 500µl 3.0% at 100µl	0.2% at 1000µl 0.2% at 500µl 0.6% at 100µl	0.6% at 1000µl 0.8% at 500µl 1.0% at 100µl	0.2% at 1000µl 0.3% at 500µl 0.6% at 100µl	0.6% at 1000µl 1.0% at 500µl 3.0% at 100µl	0.2% at 1000µl 0.2% at 500µl 0.6% at 100µl
1000-5000	0.6% at 5000µl 1.2% at 2500µl 2.4% at 1000µl	0.15% at 5000µl 0.25% at 2500µl 0.6% at 1000µl	0.5% at 5000µl 0.7% at 2500µl 2.0% at 1000µl	0.2% at 5000µl 0.3% at 2500µl 0.8% at 1000µl	0.6% at 5000µl 1.2% at 2500µl 2.4% at 1000µl	0.15% at 5000µl 0.25% at 2500µl 0.6% at 1000µl

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