

# KoKo<sup>®</sup> 3-Litre, KoKo MultiFlow<sup>™</sup>, & KoKo<sup>®</sup> 1-Litre Calibration Syringes



## Redefining Accuracy Beyond the Standard

KoKo<sup>®</sup> and KoKo MultiFlow<sup>™</sup> calibration syringes redefine accuracy through maintaining integrity in the challenging pulmonary function laboratory environment. Stable over a wide range of temperatures, KoKo and KoKo MultiFlow calibration syringes are reliable in any setting.

### Redefining Accuracy — Diagnostic Confidence

KoKo and KoKo MultiFlow are comprised of an aluminum cylinder with anodized inner walls and FDA approved Teflon<sup>®</sup> seal for smooth, leak-free operation. With KoKo MultiFlow this patented technology goes one step further, incorporating flow limiter valves that assist in achieving and maintaining several specific flow rates during volume calibration. Flow rates are selected by simply turning the dial at the end of the syringe to the desired setting.

### Redefining Accuracy — Improving Outcomes

KoKo PFT software's MultiFlow calibration setting guides the user through a multiple flow calibration, streamlining the calibration process. KoKo 3-Litre, KoKo MultiFlow, & KoKo 1-Litre calibration syringes comply with 2005 ATS and NIOSH recommendations.

### Redefining Accuracy — Proven Technology

- **Durable design.** Aluminum cylinder incorporating a Teflon<sup>®</sup> piston seal for smooth, leak-free operation. Stability over a wide range of temperatures.
- **Laser engraved shaft** marked in 0.10 litre increments (3-Litre & MultiFlow).
- **Variable Settings.** KoKo MultiFlow's dual locking collar enables various volume settings without altering the certified 3-litre setting.
- **Re-calibration Service.** Offered for any of our syringes used to calibrate PFT equipment. Syringes should be re-calibrated at least once a year.
- **Lifetime warranty.**



## Redefining Accuracy. Beyond Expectations.

nSpire Health offers a re-calibration service for any of our syringes used to calibrate PFT equipment. Quality control guidelines documented in the 2005 ATS/ERS Spirometry Statement require that a syringe used for the calibration of a spirometer be re-calibrated on the schedule specified by the manufacturer.

All calibration syringes should be re-calibrated at least once a year, particularly if the syringe has been dropped or the adjustable stop has been moved. Our re-calibration procedure provides validation of syringe volume that is traceable to national standards.

To have your syringe re-calibrated contact:  
Tel: + 44 (0) 1992 526300  
Email: [ukcommercialservice@nspirehealth.com](mailto:ukcommercialservice@nspirehealth.com)



### Product Codes

UK	Germany	
510000	1300060	KoKo® 3-Litre Calibration Syringe
520000	93-520000	KoKo MultiFlow™ Calibration Syringe
510100	1300509	KoKo® 1-Litre Calibration Syringe

### References:

- Series "ATS/ERS Task Force: Standardisation of Lung Function Testing", Standardisation of spirometry, Eur Respir J 2005; 26: 319-338



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### Technical Specifications

**Syringe body and shaft:**  
Anodized aluminum

**End caps and port:**  
3-Litre & 1-Litre:  
molded polycarbonate  
MultiFlow:  
machined acetyl plastic

**Seal:**  
Teflon® seal energized by a stainless steel, slant/coil spring

**Tolerance:**  
Better than +/- 0.5% or +/- 15 ml, whichever is greater

**Volume:**  
3 Litres adjustable in 0.10 litre increments with a locking collar & allen key (supplied)  
1 Litre

**Flow Ranges:**  
Multiflow:  
.5, 1, 3 litres per second, and an open setting for standard operation

**Calibration interval:**  
Recommended annually

**Operating environment:**  
Recommended 20-30 ° C

**Dimensions:**  
3-Litre & MultiFlow: 56 x 12 cm; 3kg  
1-Litre: 31.5 x 12 cm; 1.4 kg)

**Intended use:**  
Volume calibration of spirometer

**CE** This symbol indicates conformity with the 0086 Medical Device Directive

### Contact Information

#### nSpire Health Ltd.

Unit 10 Harforde Court  
John Tate Road  
Hertford SG13 7NW, UK  
Tel: +44 (0) 1992 526300  
[info@nspirehealth.com](mailto:info@nspirehealth.com)

#### nSpire Health GmbH

Schlimpfhofer Straße 14  
97723 Oberthulba, Germany  
Tel: +49 (0) 9736 8181-0  
[vertrieb@nspirehealth.com](mailto:vertrieb@nspirehealth.com)

[www.nspirehealth.com](http://www.nspirehealth.com)