

Appendix 1: List of model specifications and basic dimensions of the introducer sheath set

Specification Matrix

| No. | Specification         | Guiding Sheath      |                          |                       |          | Dilator             |                                  |                                  |                       |          |
|-----|-----------------------|---------------------|--------------------------|-----------------------|----------|---------------------|----------------------------------|----------------------------------|-----------------------|----------|
|     |                       | Inner Diameter (mm) | Outer Diameter (Fr) (mm) | Effective Length (cm) | Tip Form | Outer Diameter (mm) | Inner Diameter for 0.018"GW (mm) | Inner Diameter for 0.035"GW (mm) | Effective Length (cm) | Tip Form |
| 1   | KSI-4.0-18/35-55-S2   | 1.40±0.2            | 2.01±0.2                 | 55±3.5                | S2       | 1.37±0.2            | 0.50±0.2                         | 0.95±0.2                         | 60±4                  | DS2      |
| 2   | KSI-4.0-18/35-90-S2   | 1.40±0.2            | 2.01±0.2                 | 90±3.5                | S2       | 1.37±0.2            | 0.50±0.2                         | 0.95±0.2                         | 95±4                  | DS2      |
| 3   | KSI -4.0-18/35-110-S2 | 1.40±0.2            | 2.01±0.2                 | 110±3.5               | S2       | 1.37±0.2            | 0.50±0.2                         | 0.95±0.2                         | 115±4                 | DS2      |
| 4   | KSI -5.0-18/35-45-S1  | 1.80±0.2            | 2.31±0.2                 | 45±3.5                | S1       | 1.70±0.2            | 0.50±0.2                         | 0.95±0.2                         | 50±4                  | DS1      |
| 5   | KSI -5.0-18/35-50-S2  | 1.80±0.2            | 2.31±0.2                 | 50±3.5                | S2       | 1.70±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 6   | KSI -5.0-18/35-90-S2  | 1.80±0.2            | 2.31±0.2                 | 90±3.5                | S2       | 1.70±0.2            | 0.50±0.2                         | 0.95±0.2                         | 95±4                  | DS2      |
| 7   | KSI -5.0-18/35-110-S2 | 1.80±0.2            | 2.31±0.2                 | 110±3.5               | S2       | 1.70±0.2            | 0.50±0.2                         | 0.95±0.2                         | 115±4                 | DS2      |
| 8   | KSI -5.0-18/35-50-S3  | 1.80±0.2            | 2.31±0.2                 | 50±3.5                | S3       | 1.70±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 9   | KSI -5.0-18/35-50-S4  | 1.80±0.2            | 2.31±0.2                 | 50±3.5                | S4       | 1.70±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 10  | KSI -6.0-18/35-45-S1  | 2.16±0.2            | 2.69±0.2                 | 45±3.5                | S1       | 2.00±0.2            | 0.50±0.2                         | 0.95±0.2                         | 50±4                  | DS1      |
| 11  | KSI -6.0-18/35-50-S2  | 2.16±0.2            | 2.69±0.2                 | 50±3.5                | S2       | 2.00±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 12  | KSI -6.0-18/35-50-S3  | 2.16±0.2            | 2.69±0.2                 | 50±3.5                | S3       | 2.00±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 13  | KSI -6.0-18/35-50-S4  | 2.16±0.2            | 2.69±0.2                 | 50±3.5                | S4       | 2.00±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 14  | KSI -6.0-18/35-50-S5  | 2.16±0.2            | 2.69±0.2                 | 50±3.5                | S5       | 2.00±0.2            | 0.50±0.2                         | 0.95±0.2                         | 55±4                  | DS2      |
| 15  | KSI -7.0-18/35-45-S1  | 2.48±0.2            | 3.01±0.2                 | 45±3.5                | S1       | 2.37±0.2            | 0.50±0.2                         | 0.95±0.2                         | 50±4                  | DS1      |

|    |                      |                |                |              |    |                |                |                |            |     |
|----|----------------------|----------------|----------------|--------------|----|----------------|----------------|----------------|------------|-----|
| 16 | KSI -7.0-18/35-50-S2 | $2.48 \pm 0.2$ | $3.01 \pm 0.2$ | $50 \pm 3.5$ | S2 | $2.37 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 17 | KSI -7.0-18/35-50-S3 | $2.48 \pm 0.2$ | $3.01 \pm 0.2$ | $50 \pm 3.5$ | S3 | $2.37 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 18 | KSI -7.0-18/35-50-S4 | $2.48 \pm 0.2$ | $3.01 \pm 0.2$ | $50 \pm 3.5$ | S4 | $2.37 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 19 | KSI -8.0-18/35-45-S1 | $2.80 \pm 0.2$ | $3.32 \pm 0.2$ | $45 \pm 3.5$ | S1 | $2.70 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $50 \pm 4$ | DS1 |
| 20 | KSI -8.0-18/35-50-S2 | $2.80 \pm 0.2$ | $3.32 \pm 0.2$ | $50 \pm 3.5$ | S2 | $2.70 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 21 | KSI -8.0-18/35-50-S3 | $2.80 \pm 0.2$ | $3.32 \pm 0.2$ | $50 \pm 3.5$ | S3 | $2.70 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 22 | KSI -9.0-18/35-50-S2 | $3.10 \pm 0.2$ | $3.60 \pm 0.2$ | $50 \pm 3.5$ | S2 | $3.00 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 23 | KSI -9.0-18/35-50-S3 | $3.10 \pm 0.2$ | $3.60 \pm 0.2$ | $50 \pm 3.5$ | S3 | $3.00 \pm 0.2$ | $0.50 \pm 0.2$ | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 24 | KSI -10.0-35-50-S3   | $3.43 \pm 0.2$ | $3.98 \pm 0.2$ | $50 \pm 3.5$ | S3 | $3.29 \pm 0.2$ | /              | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |
| 25 | KSI -12.0-35-50-S3   | $4.00 \pm 0.2$ | $4.70 \pm 0.2$ | $50 \pm 3.5$ | S3 | $3.90 \pm 0.2$ | /              | $0.95 \pm 0.2$ | $55 \pm 4$ | DS2 |