

- 11410-12** Ackermans Bone Marrow Biopsy Needle, luer lock fitting, 12swg (2.6mm) x 100mm



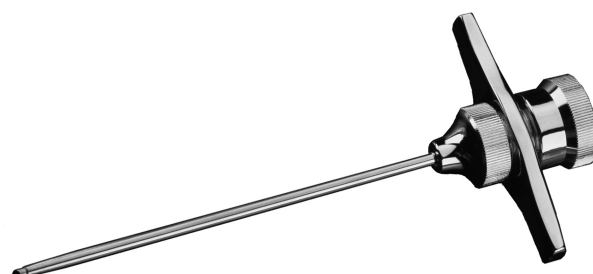
- 11420-06** Bergstrom Muscle Biopsy Needle, large, 6swg (5.0mm) x 100mm  
**11420-07** Bergstrom Muscle Biopsy Needle, medium, 7swg (4.5mm) x 100mm  
**11420-08** Bergstrom Muscle Biopsy Needle, small, 8swg (4.0mm) x 100mm  
**11420-11** Bergstrom Muscle Biopsy Needle, extra small, 11swg (3.0mm) x 100mm



- 11460-13** Gardner Bone Marrow Biopsy Needle, luer lock fitting, 13swg (2.3mm) x 40mm

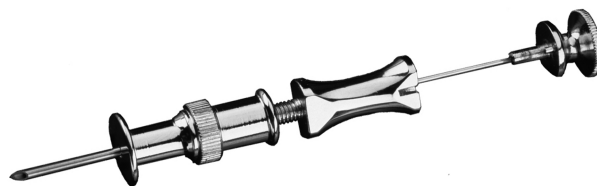


- 11480-08** Janus (Jamshidi Type) Bone Marrow Biopsy Needle, extra large, 8swg (4.0mm) x 100mm  
**11480-11** Janus (Jamshidi Type) Bone Marrow Biopsy Needle, adult, 11swg (3.0mm) x 100mm  
**11480-13** Janus (Jamshidi Type) Bone Marrow Biopsy Needle, child, 13swg (2.3mm) x 90mm  
**11480-14** Janus (Jamshidi Type) Bone Marrow Biopsy Needle, small child, 14swg (2.0mm) x 90mm



## Biopsy Needles

- 11500-14** Klima Bone Marrow Biopsy Needle, iliac crest, luer fitting, 14swg (2.0mm) x 25mm
- 11510-16** Klima Bone Marrow Biopsy Needle, sternal puncture, adult, luer fitting, 16swg (1.6mm) x 25mm
- 11510-18** Klima Bone Marrow Biopsy Needle, sternal puncture, child, luer fitting, 18swg (1.2mm) x 25mm



- 11515-16** Osgood Bone Marrow Biopsy Needle, adult, luer lock fitting, 16swg (1.6mm) x 35mm
- 11515-18** Osgood Bone Marrow Biopsy Needle, child, luer lock fitting, 18swg (1.2mm) x 25mm



- 11520-16** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 16swg (1.6mm) x 70mm
- 11520-17** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 17swg (1.4mm) x 70mm
- 11520-18** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 18swg (1.2mm) x 70mm
- 11520-19** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 19swg (1.0mm) x 70mm
- 11523-16** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 16swg (1.6mm) x 100mm
- 11523-17** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 17swg (1.4mm) x 100mm
- 11524-17** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 17swg (1.4mm) x 110mm
- 11540-17** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, child, luer lock fitting, 17swg (1.4mm) x 40mm
- 11540-18** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, child, luer lock fitting, 18swg (1.2mm) x 40mm
- 11540-19** Menghini Liver Biopsy Needle, c/w obturator, trocar and blocking pin, child, luer lock fitting, 19swg (1.0mm) x 40mm



## Biopsy Needles

- 11530-07** Menghini Liver Biopsy Needle, with adjustable stop, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 15swg (1.8mm) x 70mm
- 11530-09** Menghini Liver Biopsy Needle, with adjustable stop, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 15swg (1.8mm) x 90mm
- 11530-10** Menghini Liver Biopsy Needle, with adjustable stop, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 15swg (1.8mm) x 100mm
- 11530-11** Menghini Liver Biopsy Needle, with adjustable stop, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 15swg (1.8mm) x 110mm
- 11530-12** Menghini Liver Biopsy Needle, with adjustable stop, c/w obturator, trocar and blocking pin, adult, luer lock fitting, 15swg (1.8mm) x 120mm



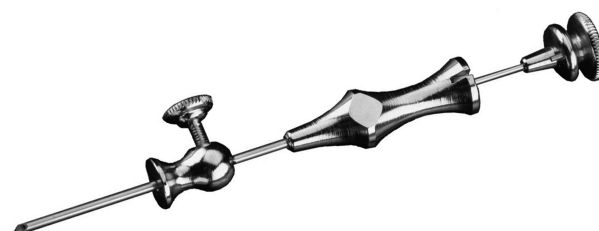
- 11545-13** Parker Pearson Synovial Biopsy Needle, with adjustable stop, c/w trocar and biopsy snare, large, luer lock fitting, 13swg (2.3mm) x 120mm
- 11545-14** Parker Pearson Synovial Biopsy Needle, with adjustable stop, c/w trocar and biopsy snare, standard, luer lock fitting, 14swg (2.0mm) x 50mm
- 11545-15** Parker Pearson Synovial Biopsy Needle, with adjustable stop, c/w trocar and biopsy snare, small, luer lock fitting, 15swg (1.8mm) x 50mm



- 11550-06** White Modified Silverman Soft Tissue Biopsy Needle, with screw stop, filled ends, child, luer fitting, 14swg (2.0mm) x 65mm
- 11550-08** White Modified Silverman Soft Tissue Biopsy Needle, with screw stop, filled ends, standard adult, luer fitting, 13swg (2.3mm) x 85mm
- 11550-11** White Modified Silverman Soft Tissue Biopsy Needle, with screw stop, filled ends, long adult, luer fitting, 13swg (2.3mm) x 115mm



- 11560-14** Sahla (Witt) Bone Marrow Biopsy Needle, iliac crest, with adjustable stop, luer fitting, 14swg (2.0mm) x 50mm
- 11565-16** Sahla (Witt) Bone Marrow Biopsy Needle, sternal puncture, adult, with adjustable stop, luer fitting, 16swg (1.6mm) x 50mm
- 11565-18** Sahla (Witt) Bone Marrow Biopsy Needle, sternal puncture, child, with adjustable stop, luer fitting, 18swg (1.2mm) x 50mm



## Biopsy Needles

- 11570-16** Rosenthal Bone Marrow Biopsy Needle, adult, luer lock fitting, 16swg (1.6mm) x 35mm
- 11570-18** Rosenthal Bone Marrow Biopsy Needle, child, luer lock fitting, 18swg (1.2mm) x 25mm



- 11575-12** Turkels Bone Marrow Biopsy Needle, c/w trephine and obturator, adult, luer fitting, 12swg (2.6mm) x 20mm
- 11575-14** Turkels Bone Marrow Biopsy Needle, c/w trephine and obturator, child, luer fitting, 14swg (2.0mm) x 20mm



- 11580-06** Silverman Soft Tissue Biopsy Needle, child, luer lock fitting, 14swg (2.0mm) x 65mm
- 11580-08** Silverman Soft Tissue Biopsy Needle, standard adult, luer lock fitting, 13swg (2.3mm) x 85mm
- 11580-11** Silverman Soft Tissue Biopsy Needle, long adult, luer lock fitting, 13swg (2.3mm) x 115mm



- 11590-06** Franklin Modified Silverman Soft Tissue Biopsy Needle, filled ends, child, luer lock fitting, 14swg (2.0mm) x 65mm
- 11590-08** Franklin Modified Silverman Soft Tissue Biopsy Needle, filled ends, standard adult, luer lock fitting, 13swg (2.3mm) x 85mm
- 11590-11** Franklin Modified Silverman Soft Tissue Biopsy Needle, filled ends, long adult, luer lock fitting, 13swg (2.3mm) x 115mm
- 11590-14** Franklin Modified Silverman Soft Tissue Biopsy Needle, filled ends, prostate, luer lock fitting, 13swg (2.3mm) x 145mm



## Biopsy Needles

- 11600-06** Ross Modified Silverman Soft Tissue Biopsy Needle, with sliding stop, filled ends, child, luer fitting, 14swg (2.0mm) x 65mm
- 11600-08** Ross Modified Silverman Soft Tissue Biopsy Needle, with sliding stop, filled ends, standard adult, luer fitting, 13swg (2.3mm) x 85mm
- 11600-11** Ross Modified Silverman Soft Tissue Biopsy Needle, with sliding stop, filled ends, long adult, luer fitting, 13swg (2.3mm) x 115mm



- 11610-11** Westerman Jensen Soft Tissue Biopsy Needle, luer lock fitting, 10swg (3.3mm) x 110mm



- 11620-50** Williams And Nicholson's Modified Sackers Trephine, standard, 5.0mm biopsy core
- 11620-60** Williams And Nicholson's Modified Sackers Trephine, large, 6.0mm biopsy core
- 11620-80** Williams And Nicholson's Modified Sackers Trephine, extra large, 8.0mm biopsy core



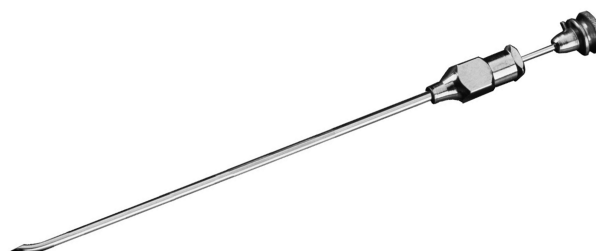
## Biopsy Needles

- 11750-06** UCH Skeletal Muscle Biopsy Needle, with aspiration, large, luer lock fitting, 6swg (5.0mm) x 120mm
- 11750-07** UCH Skeletal Muscle Biopsy Needle, with aspiration, medium, luer lock fitting, 7swg (4.5mm) x 120mm
- 11750-08** UCH Skeletal Muscle Biopsy Needle, with aspiration, small, luer lock fitting, 8swg (4.0mm) x 80mm



## Epidural Needles

- 14200-16** Tuohy Epidural Needle, standard adult, luer lock fitting, 16swg (1.6mm) x 80mm
- 14200-18** Tuohy Epidural Needle, standard child, luer lock fitting, 18swg (1.2mm) x 80mm
- 14205-16** Tuohy Epidural Needle, long adult, luer lock fitting, 16swg (1.6mm) x 100mm
- 14205-18** Tuohy Epidural Needle, long child, luer lock fitting, 18swg (1.2mm) x 100mm



- 14210-16** Tuohy Epidural Needle, with graduations, standard adult, luer lock fitting, 16swg (1.6mm) x 80mm
- 14210-18** Tuohy Epidural Needle, with graduations, standard child, luer lock fitting, 18swg (1.2mm) x 80mm
- 14215-16** Tuohy Epidural Needle, with graduations, long adult, luer lock fitting, 16swg (1.6mm) x 100mm
- 14215-18** Tuohy Epidural Needle, with graduations, long child, luer lock fitting, 18swg (1.2mm) x 100mm



- 14220-16** Tuohy Epidural Needle, Oxford winged pattern, standard adult, luer lock fitting, 16swg (1.6mm) x 80mm
- 14220-18** Tuohy Epidural Needle, Oxford winged pattern, standard child, luer lock fitting, 18swg (1.2mm) x 80mm
- 14225-16** Tuohy Epidural Needle, Oxford winged pattern, long adult, luer lock fitting, 16swg (1.6mm) x 100mm
- 14225-18** Tuohy Epidural Needle, Oxford winged pattern, long child, luer lock fitting, 18swg (1.2mm) x 100mm



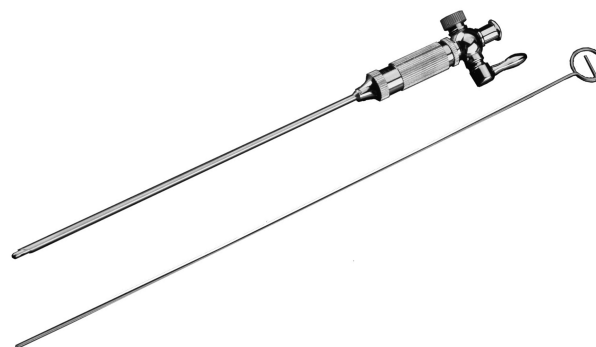
## Epidural Needles

- 14230-16** Tuohy Epidural Needle, Oxford winged pattern, with graduations, standard adult, luer lock fitting, 16swg (1.6mm) x 80mm
- 14230-18** Tuohy Epidural Needle, Oxford winged pattern, with graduations, standard child, luer lock fitting, 18swg (1.2mm) x 80mm
- 14235-16** Tuohy Epidural Needle, Oxford winged pattern, with graduations, long adult, luer lock fitting, 16swg (1.6mm) x 100mm
- 14235-18** Tuohy Epidural Needle, Oxford winged pattern, with graduations, long child, luer lock fitting, 18swg (1.2mm) x 100mm

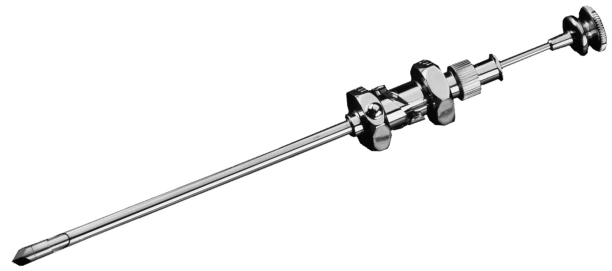


## Pneumoperitoneal Needles

- 15980-10** Verres Pneumoperitoneal Needle, luer lock fitting, 14swg (2.0mm) x 100mm
- 15980-12** Verres Pneumoperitoneal Needle, luer lock fitting, 14swg (2.0mm) x 120mm
- 15980-15** Verres Pneumoperitoneal Needle, luer lock fitting, 14swg (2.0mm) x 150mm
- 15980-50** Verres Pneumoperitoneal Needle, spare spring only



- 41100-09** Abrams Pleural Biopsy Punch, standard, luer lock fitting, 8swg (4.0mm) x 90mm
- 41100-12** Abrams Pleural Biopsy Punch, long, luer lock fitting, 8swg (4.0mm) x 125mm



- 41120-11** Copes Pleural Biopsy Needle, luer lock fitting, 11swg (3.0mm) x 75mm

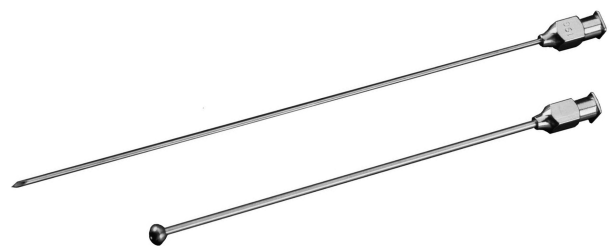




- 61965-15** Donald Transvaginal Pudendal Nerve Block Needle And Guide, longitudinal finger ring fitted to guide, luer lock fitting, 20swg (0.9mm) x 155mm
- 61970-15** Ferris Transvaginal Pudendal Nerve Block Needle And Guide, transverse finger ring fitted to guide, luer lock fitting, 20swg (0.9mm) x 155mm



- 
- 61975-14** Oxford Paracervical Nerve Block Needle And Guide, plain guide, 20swg (0.9mm) x 140mm
- 61975-15** Oxford Paracervical Nerve Block Needle And Guide, plain guide, 20swg (0.9mm) x 155mm



- 71090-10** Harlow Wood Spinal Biopsy Needle, trephine to take 2mm core only
- 71090-15** Harlow Wood Spinal Biopsy Needle, trephine to take 3mm core only
- 71090-20** Harlow Wood Spinal Biopsy Needle, obturator for 2mm trephine only
- 71090-25** Harlow Wood Spinal Biopsy Needle, obturator for 3mm trephine only
- 71090-30** Harlow Wood Spinal Biopsy Needle, stop with thumbscrew for 2mm trephine only
- 71090-35** Harlow Wood Spinal Biopsy Needle, stop with thumbscrew for 3mm trephine only
- 71090-40** Harlow Wood Spinal Biopsy Needle, trephine guide only
- 71090-50** Harlow Wood Spinal Biopsy Needle, tapered dilator shaft only
- 71090-55** Harlow Wood Spinal Biopsy Needle, tapered dilator mount only
- 71090-60** Harlow Wood Spinal Biopsy Needle, guide wire shaft only
- 71090-65** Harlow Wood Spinal Biopsy Needle, guide wire mount only
- 71090-70** Harlow Wood Spinal Biopsy Needle, plastic storage case with foam infill only
- 71090-90** Harlow Wood Spinal Biopsy Needle, Harlow Wood Spinal Biopsy Needle, complete set in case, 2mm & 3mm trephine, obturator and stop, 1 x trephine guide, tapered dilator and guide wire

