



Stark C, DeStigter KK, Matovu A, Shadrack PA. Ultrasound-guided breast biopsy in the resource-limited setting: an initial experience in rural Uganda. J Glob Radiol. 2017;3(1):Article 4.

Table 1: Core-biopsy kit supply cost per unit. Conversion rate of 1 US dollar (USD) per 2515 Ugandan shillings (UGX).

Supply (units)	Cost (Ugandan Shilling/UGX)	Cost (US Dollar/USD)	Notes
Ultrasound Probe Cover/Condom (1)	300.00	\$0.12	Box of 20 condoms = \$2.38 USD (6,000 UGX) or \$0.12 per condom
Ultrasound Gel (1 oz)	402.40	\$0.16	5L (169 oz) container = \$27.83 USD (70,000 UGX) or \$0.16 per ounce
Formalin (2 oz)	2,364.10	\$0.94	1L (34 oz) container = \$15.90 USD (40,000 UGX) or \$0.47 per ounce. 2 ounces needed per biopsy sample
Tissue Sample Container (1)	255.00	\$0.10	
Ethanol/Antiseptic solution (1.5 oz)	804.80	\$0.32	2.5L (85 oz) container = 17.89 USD (45,000 UGX) or \$0.21 per ounce
Sterile Drapes (1)	75.45	\$0.03	4 meters of cloth = \$7.16 USD (18,000 UGX). Cost of tailoring 5 drapes = \$7.95 USD (20,000 UGX). Total cost of cloth and tailoring 5 drapes (USD) = \$15.11 or \$3.02 per drape. \$3.02 divided by an estimated lifetime of 100 uses per drape = \$.03 per drape per use
Non-sterile Gloves (4)	704.20	\$0.28	Box of 100 gloves = \$7.16 USD (18,000 UGX) or \$0.07 per glove. Four gloves needed for each biopsy
Disposable 14 Gauge Core Biopsy Needle (1)	17,605.00	\$7.00	
Lidocaine (10 ml)	1,006.00	\$0.40	20 ml vials = 0.80 USD (2,000 UGX) or \$0.04 USD per ml. 10 ml used per biopsy
20 cc syringe and 21g needle (1 each)	804.80	\$0.32	Box of 50 syringe and needle pairs = \$15.90 USD (40,000 UGX) or \$0.32 per pair. One pair needed per biopsy
23g needle (1)	50.30	\$0.02	Box of 100 = \$1.98 USD (5,000 UGX) or \$.02 per needle. One needle needed per biopsy
Adhesive bandage (1)	50.30	\$0.02	Box of 100 = \$2.39 USD (6,000 UGX) or \$0.02 per adhesive bandage
Scalpel blade (1)	201.20	\$0.08	Box of 100 = \$7.95 USD (20,000 UGX) or \$0.08 per blade
Sterilizable Metal Forceps (1)	75.45	\$0.03	Each forceps = \$5.96 USD (15,000 UGX). \$5.96 divided by an estimated lifetime of 200 uses = \$0.03 per use
Sterile Gauze (1 10 cm x 10 cm piece)	377.25	\$0.15	Box of 36 10 cm x 10 cm pieces of sterile gauze = \$5.56 USD (14,000 USD) or \$0.15 per piece. One piece estimated per biopsy
Autoclave Drum (1)	1,031.15	\$0.41	Each drum = \$81.50 USD (205,000 UGX) divided by an estimated lifetime of 200 uses = \$0.41 per use
Antibiotic Cream (approximately 6g)	603.60	\$0.24	Each 30g tube = \$1.20 USD (3,000 UGX) divided by an estimated 5 uses per tube = \$0.24 per use (6g)

Total	\$26,711.00	\$10.62
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