

Curlew Endoscopic Multibiopsy

US Patents 5,782,747; 5,980,468; 6,071,248; foreign patents and pending

Multibiopsy 9F with Metal Storage Cylinder

Hot and Cold or Cold 7, 13, or 25 Specimens

with in Situ Processing, Single or Batch Specimen Collection

Pathology Laboratory Instructions for in Situ Processing

Read this document in its entirety prior to use

Caution: Federal (USA) Law restricts this device to sale by or on the order of a physician

Caution: A thorough understanding of the technical principles, clinical application and risks associated with multibiopsy is necessary before using this instrument

Overview

- Multibiopsy serially collects, orients and stores 2.0 mm diameter biopsies in a perforated metal storage cylinder for in situ fixation and paraffin processing in the pathology laboratory with minimum handling and staff exposure to human material and solvents. The Curlew label on the fixative vial identifies the number of multibiopsy specimens.
- After processing through paraffin the surrounding biopsy mechanism and specimens are removed from the storage cylinder. The surrounding biopsy mechanism is removed leaving the paraffin embedded specimen column for wrapping, mounting and cutting. Multiple serial sections on each slide present oriented specimens in the order of acquisition with the first specimen on the left adjacent to the label. The specimen biopsy site, number, order and indication are documented in a Curlew Endoscopy Log completed by the endoscopist
- Individual specimens or specimen groups may be collected as with conventional endoscopic biopsy for batch fixation and processing without orientation.
- Gross specimen examination is delayed until the slides are read.

Endoscopy Preparation of Metal Storage Cylinder for In Situ Paraffin Processing

- After biopsy completion the sharp jaws are retracted into the storage cylinder to prevent specimen loss and protect staff. The multibiopsy shaft is removed and the storage cylinder placed in fixative for transport to pathology. Perforations in the storage cylinder allow specimen fixation and in situ processing. The Curlew label on the fixative vial and labeled log completed by the endoscopist indicates the biopsy numbers, biopsy site, specimen number, acquisition sequence and indication for each specimen.

Pathology Laboratory Metal Storage Cylinder In Situ Paraffin Processing

- The perforated metal cylinder contains 7, 13 or 25 serially collected, oriented, stored biopsy specimens ready for in situ fixation and processing. The attached shaft cable stub closes the sharp biopsy jaws and biopsy mechanism surrounding the oriented, serially collected specimen column inside the metal cylinder.
- Fix and process the closed perforated metal cylinder through paraffin. Remove the processing cassette from the embedding station paraffin and prepare to open the metal cylinder while the paraffin is soft. See the accompanying illustrated instructions for opening the storage cylinder to expose the biopsy mechanism surrounding the paraffin encased oriented specimens. Grasp the exposed opened sharp jaws by their edges to keep the jaws separated. Remove the biopsy mechanism surrounding the fragile paraffin embedded specimen column from the metal storage cylinder. While the paraffin is soft spread the jaws, remove the specimen column and wrap with a graphite mark on the right indicating the last specimen. The wrap keeps the specimen column in line and prevents column disruption when placed in hot paraffin for mounting. Mount the wrap and cut at 30 degrees on the microtome. Place multiple serial sections on each slide.

Simplified Precision

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Curlew Endoscopy Instrument Corporation
Multibiopsy 9F with Metal Storage Cylinder

2

- The graphite mark adjacent to the last specimen is placed to the right of the slide away from the label. The specimen on the left adjacent to the label is “Biopsy 1” as documented on the Curlew Multibiopsy Log submitted by the endoscopist. The first biopsy specimen can also be identified by its separation from the biopsies compressed inside the storage cylinder. The serially sectioned specimens on the slide are in the order of acquisition from left to right as documented in the Curlew Log.

Disposal:

- **WARNING:** After use, this product and its parts may be a potential biohazard. Handle and dispose of it in accordance with accepted medical practice and applicable local, state and federal laws and regulations.

Warranty:

- Curlew warrants that the instrument will be free from defects and workmanship for use in a single procedure. This warranty does not apply to the use beyond the expiration date. This device is not intended to be reprocessed. The user assumes responsibility for any consequences related to the use of reprocessed instruments. Curlew obligations under this warranty are limited to the replacement of the instrument.

Revised 4/2011