



Mesh Screen Cassettes

- General Information -

Mesh Screen cassettes are used for handling small biopsies and fragile specimens. The unique design provides an inner chamber lined with a “see-through” mesh for easy identification of specimens. They eliminate the need for sponges, bags, wraps, or papers. Mesh Screen cassettes are available in bulk packaging and taped and tubed stacks intended for high throughput printing.

- Grossing -

- A. Preprint or label Mesh Screen cassette(s) with pertinent identification information.
- B. Place specimen into the Mesh Screen cassette and close the cassette. Please note the following tips:
 - Vertically place the Mesh Screen into the formalin slowly and fill the inner chamber with formalin to break the surface tension
 - Immersing the cassette in fluid (water or formalin) prior to pouring the specimen into the cassette will prevent the sample from overflowing the rim of the cassette
 - To filter through the screen, it is best to have an absorbent such as paper towel under the cassette and gently touch the screen with a gloved finger or blunt instrument while the liquid containing tissue fragments is being poured into the cassette; this starts a capillary action flow.
 - **Review the mesh of the Mesh Screen cassette to ensure that there are no tears or openings**
- C. Place the cassette into tissue fixative such as formalin until all cassettes are ready to be loaded onto the tissue processor.

- Embedding -

- A. Carefully open one Mesh Screen cassette at a time.
- B. Small tissues may have migrated to the corners of the inner chamber; the curved edges of the inner chamber ensure that even the smallest tissue is easy to retrieve.
- C. **Care should be taken to avoid touching the mesh with forceps, as this may cause small tissues to bounce out of the cassette.**
- D. Place the tissues into the embedding mold following normal laboratory procedures. Be certain all tissues are removed from the Mesh Screen cassette and are placed into the mold. Check the lid for tissues.
- E. Remove the lid from the base and place the base on the embedding mold. Add molten paraffin. Please note the following tips:
 - If the screen is warm, paraffin will flow easier through the cassette
 - Tilting the mold slightly while filling minimizes air bubbles; you can also punch a hole in the screen, since the screen has no more use at this point.
 - Filling the mold with the cassette slightly to one side of the mold will help eliminate air bubbles

- Once the mold and cassette are filled with paraffin, the screen becomes transparent and you can see the tissue orientation through the screen
- F. Place the mold- Mesh Screen cassette assembly on the embedding center's cooling plate and allow to fully cool.
 - G. After the block is fully cooled, remove the embedding mold, remove any excess paraffin flash from around the edge of the cassette, and proceed to microtomy following normal laboratory procedures.





- Packaging -

Catalog#	Color	Packaging
HS2500-CDI	White	Loose Bx/250
HS2501-CDI	Gray	Loose Bx/250
HS2502-CDI	Blue	Loose Bx/250
HS2503-CDI	Green	Loose Bx/250
HS2504-CDI	Pink	Loose Bx/250
HS2505-CDI	Yellow	Loose Bx/250
HS2506-CDI	Orange	Loose Bx/250
HS2507-CDI	Lavender	Loose Bx/250
HS2508-CDI	Peach	Loose Bx/250
HS2509-CDI	Aqua	Loose Bx/250
HS2510-CDI	Tan	Loose Bx/250
HSSL2500-CDI	White	Sleeved Cs/750
HSSL2501-CDI	Gray	Sleeved Cs/750
HSSL2502-CDI	Blue	Sleeved Cs/750
HSSL2503-CDI	Green	Sleeved Cs/750
HSSL2504-CDI	Pink	Sleeved Cs/750
HSSL2505-CDI	Yellow	Sleeved Cs/750
HSSL2506-CDI	Orange	Sleeved Cs/750
HSSL2507-CDI	Lavender	Sleeved Cs/750
HSSL2508-CDI	Peach	Sleeved Cs/750
HSSL2509-CDI	Aqua	Sleeved Cs/750
HSSL2510-CDI	Tan	Sleeved Cs/750
HST2500-CDI	White	Taped Bx/200
HST2501-CDI	Gray	Taped Bx/200
HST2502-CDI	Blue	Taped Bx/200
HST2503-CDI	Green	Taped Bx/200
HST2504-CDI	Pink	Taped Bx/200
HST2505-CDI	Yellow	Taped Bx/200
HST2506-CDI	Orange	Taped Bx/200
HST2507-CDI	Lavender	Taped Bx/200
HST2508-CDI	Peach	Taped Bx/200
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