



The new **MarrowMatic®**
from *ARROW Biotech*
guarantees:

- maximum safety
- rapid and standardized sample preparation
- reduced time and costs

INNOVATIVE FEATURES

- **Operator safety.** MarrowMatic performs the preparation procedures for bone marrow aspirates, core biopsies, and fine-needle aspirates for flow cytometric analysis (defrustulation, disaggregation, and filtration) fully automatically, without requiring sample manipulation with needles, scalpels, or potentially dangerous devices.
- **Time savings.** Sample preparation takes about a minute, regardless of the intrinsic quality of the sample (presence of fragments, aggregates, clots, or hyperviscosity).
- **Standardization of results.** The sample preparation method is unique and produces a uniform product regardless of the treatment method.
- **Optimization of cell recovery.** MarrowMatic ensures optimal and standardized cell recovery without reducing cell viability.
- **Prevention of technical problems** on subsequent analytical instruments (sample treatment with MarrowMatic reduces the formation of cell aggregates, which can cause flow cytometry problems).
- **Maintenance of sterility where required.** MarrowMatic racks are available individually and sterile-packaged to also allow for cytogenetic investigations and/or cell culture setup.

INTENDED USE

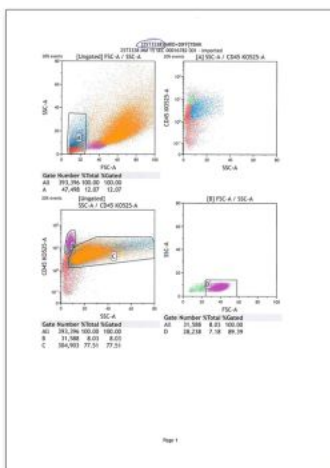
- **Preparation of bone marrow aspirates** (defrustulation, disaggregation, micro- and macro-clot rupture) for flow cytometric analysis or other analyses requiring cell suspensions (e.g., cytogenetics, cell culture).
- **Preparation of fine-needle aspirates, core biopsies, or endoscopic “grab” biopsies** (defrustulation and disaggregation) for flow cytometric analysis or other analyses requiring cell suspensions (e.g., cytogenetics, cell culture).

OPERATION



1. **Select the program:** bone marrow aspiration or other type of sampling (fine needle aspiration/needle biopsy)
2. **Place** the mother tube (A) in the designated rack slot and insert the special needle into the tube.
3. **Insert the rack** into the MarrowMatic and **start the chosen procedure.**
4. At the end of the procedure (about 1 minute), **remove the rack** from the MarrowMatic and **retrieve the daughter tube** containing the de-stemmed and filtered sample (a cap for the daughter tube (B) is included with the rack).
5. **Dispose of the used rack in the appropriate containers** provided by the laboratory for sharps and needles.

RESULTS OBTAINED WITH THE MANUAL METHOD AND WITH THE MARROWMATIC



MarrowMatic sizes:

L cm. 27,3, H cm. 40,4,
P cm. 21

Weight:

9 Kg

