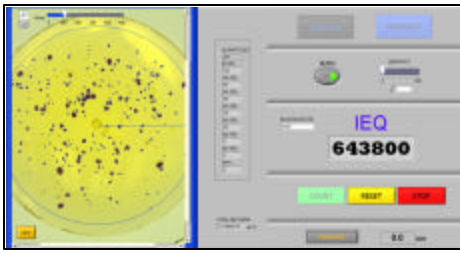
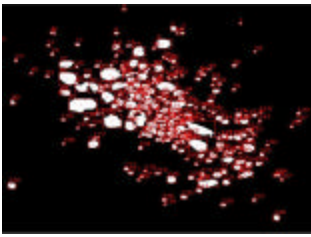


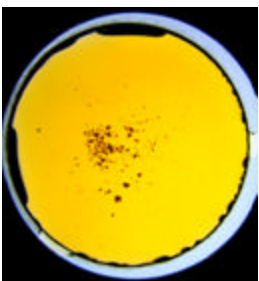
Islet Cell Counter Model No. ICC-01



Screenshot
of Software



Segmented
Image



Sample Islet
Picture



“As easy as 1-2-3 . . . Acquire, Shoot, Report”

The Islet Counter is used to generate cell counts of sample quantities of isolated pancreatic islets. The ICC system enables the user to reliably and repeatedly quantify the islet equivalent (IEQ) in less than a minute. Islet quantification is based on the Clinical Islet Transplantation Consortium (CIT) protocol.

The software yields the number of particles (IPN), the IEQ, and also sorts cells by size groups according to cell area.

In addition, the user obtains: the area covered, the B-factor, a size group IEQ contribution pie chart, and distribution statistics such as a size group histogram. Also, an Excel® report can be generated with the push of a button. The software allows image archiving for documentation, training, and verification purposes.

Features:

- Islet total area
- Dimensional measurements
- Automatic sample detection and ROI creation
- ROI refinement by user
- Automatic cell detection and thresholding by SNR sweeping across RGB spectrum
- Advanced adaptive segmentation algorithm
- 3 Step Process:
 1. **Acquire:** Auto-detect sample and create ROI
 2. **Shoot:** Takes snapshot; selection, segmenting and counting occur automatically in less than 8 seconds
 3. **Report:** Automatically generates an Excel® report

▪ Specifications

| | ICC-01 |
|------------------------|---|
| Field of view (FOV) | 15 mm |
| Dish size | 14 mm Biorep Islet Counter Dish |
| Smallest cell detected | 50 microns |
| Thresholding method | Automatic |
| Power supply | Voltage and frequency: AC 100 to 120V to 240V +/- 10%, 50/60 Hz |
| Software | Islet Counter Algorithm ICC-SM01 |
| Dimensions | W x D x H: 10.4 cm x 40.6 cm x 21.8 cm (4.1" x 16.0" x 8.6") |
| Weight | 3.8 kg (8.5 lbs) |
| Included items | Islet Counter Software installed on a Ready-to-Use Laptop Computer, One pack of 10 (ten) 14 mm Biorep Islet Counter Dishes (ICC-PD-01) |