

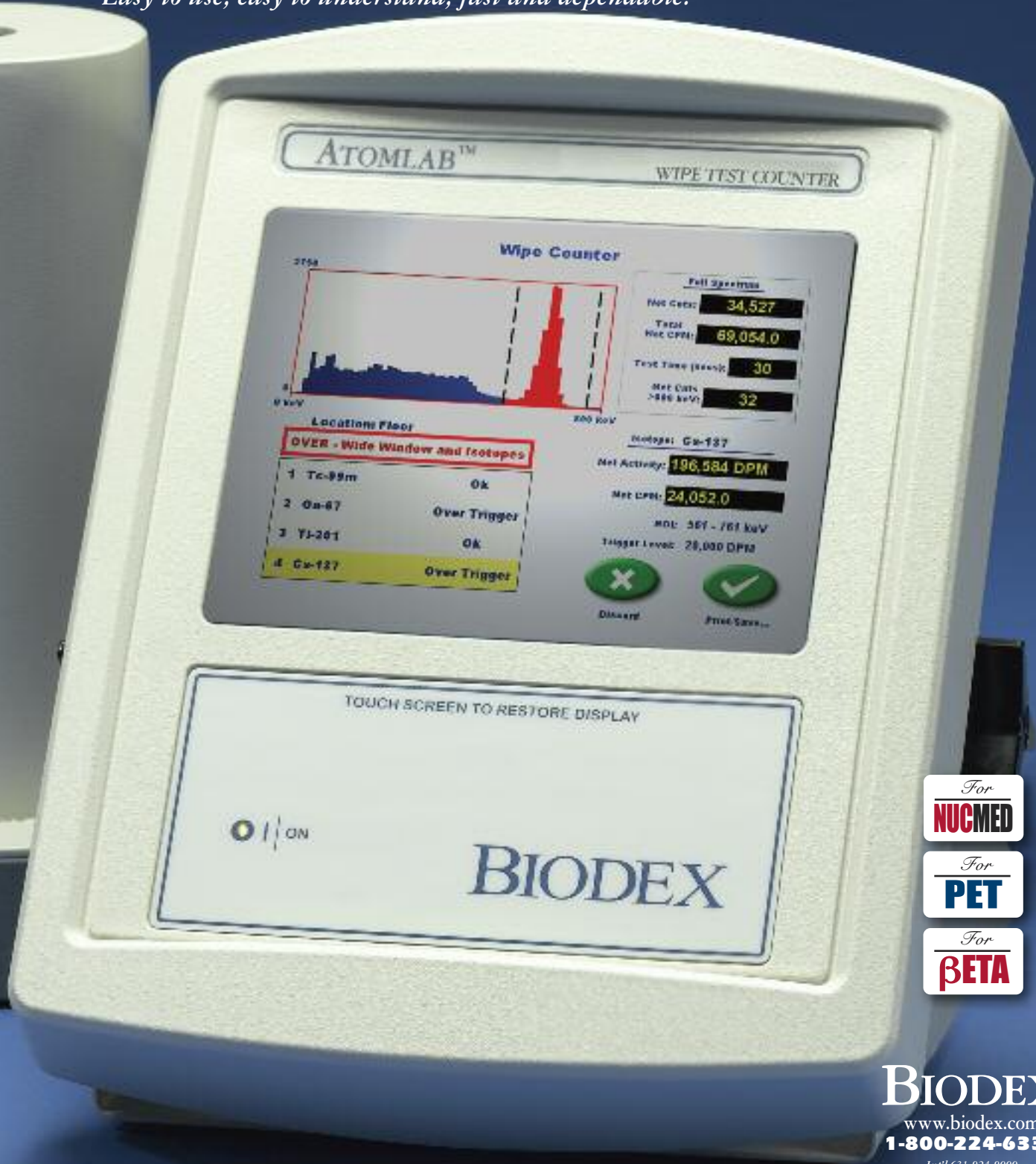
"The Clinical Advantage"<sup>TM</sup>

**NEW**

# ATOMLAB<sup>TM</sup>

## Wipe Test Counter

*Easy to use, easy to understand, fast and dependable.*



ATOMLAB<sup>TM</sup> WIPE TEST COUNTER

**Wipe Counter**

Full Spectrum

Net CPM:	34,527
Total Net CPM:	69,054.0
Test Time (sec):	30
Net CPM > 500 keV:	32

Location: Floor

200 keV

0 keV

**OVER - Wide Window and Isotopes**

1 Tc-99m	Ok
2 Ga-67	Over Trigger
3 Tl-201	Ok
4 Cs-137	Over Trigger

Model: Cs-137

Net Activity: 186,584 DPM

Net CPM: 24,052.0

Min: 361 - 761 keV

Trigger Level: 28,000 DPM

Discard

Print Data...

TOUCH SCREEN TO RESTORE DISPLAY

ON

# BIODEX

For  
**NUC MED**

For  
**PET**

For  
**BETA**

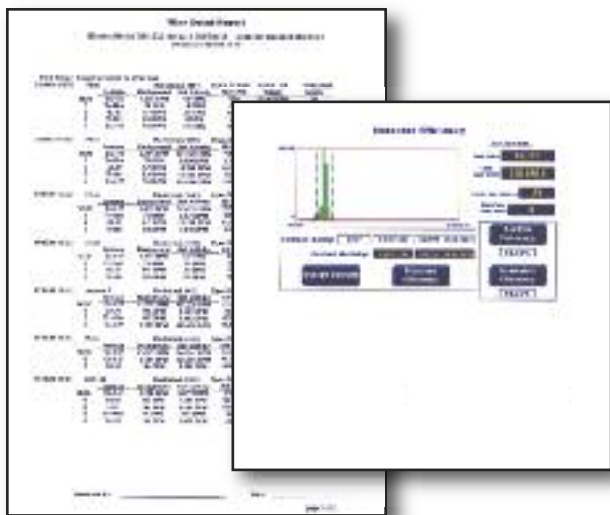
**BIODEX**  
www.biodex.com  
**1-800-224-6339**  
Int'l 631-924-9000

**NEW**

# ATOMLAB™ Wipe Test Counter

## Eliminate the tedium of wipe testing with the Atomlab™ Wipe Test Counter

- *Easy-to-use, large touch screen with intuitive menus*
- *Meets NRC/State regulations*
- *64 Channel MCA*
- *Adjustable wide window and individual isotopes*
- *2x2 NaI drilled-well detector*
- *Remote shielded well*
- *Energy spectrums with individual ROI*
- *Ability to help identify isotopes causing contamination*
- *User-specific wipe locations and trigger levels*
- *Wipes that exceed trigger levels are immediately recognized: flashes on screen and prints in red*
- *Detailed wipe reports including CPM and DPM*
- *Automated QA testing, Chi square, FWHM and MDA*
- *Wipe testing results stored*
- *Optional printer for hard-copy archives*
- *Two-year warranty*
- *RS-232 bi-directional serial communications port*



Printed reports

### EASY UPDATE

*Your Atomlab 500 Dose Calibrator is upgradable. You can easily install software updates via the Biodex website or by using a convenient memory card.*

Finally, a wipe test counter that's easy to use, easy to understand, fast and dependable. A color touch-screen display utilizing intuitive software eliminates the tedium of wipe testing. Simply perform a daily calibration and background count, then count the wipe for each predetermined location. Trigger levels can be set for any isotope at any location including 200 dpm for iodine. In seconds the system will determine if the location is above or below the user defined trigger level.



When performing a wipe test, the full spectrum is displayed. A wide window that includes the isotope energies expected in a particular department is set by the user. The efficiencies of the isotopes selected for the window can be either factory defaults or user determined using an integrated detector efficiency program. Individual isotope ROIs along with the wide window can be sent. This feature helps identify the isotope(s) causing contamination.

Up to 50 wipe locations can be entered as a restricted area, unrestricted area, sealed source or package. The results are displayed in dpm, cpm,  $\mu\text{Ci}$  or kBq.

The system consists of a lead shielded 2" x 2" sodium iodide (NaI) well detector and a 64 channel multi-channel analyzer. The displayed energy range (spectrum) is 0-800 KeV, which is typically found in nuclear medicine departments.

The wipe counter is designed to meet or exceed all NRC (10 CFR 35.70, 10 CFR 20.1906 and 10 CFR 35.2067) and state wipe test requirements. There are automated programs for the quality assurance functions: calibration, FWHM, chi-square and minimum detectable activity (MDA).

Wipe test results and QA test data can be stored in memory and printed at any time.

# ATOMLAB™ WIPE TEST COUNTER

*Finally, a wipe test counter that's easy to use, easy to understand and dependable.*

*The Atomlab™ Wipe Test Counter display can be mounted on a wall or placed on a desktop.*



Home Page Display



Wipe Count - Passed



Wipe Count - Failed



QA Display

**SPECIFICATIONS:**

**DISPLAY**

Display: LCD Touch Panel 6.5" x 5", function keys are displayed for the operation being performed  
Connectors: RJ-12 for well cable, USB for printer  
Power: This system uses XP Power Supply for medical use, Model #PDM60US15  
Line Voltage: 100 to 240 VAC, auto selectable by the power supply, 1.5 – 0.75 amps  
Line Frequency: 50/60 Hz, detachable line cord, built-in EMI filter and transient suppression  
Auxiliary Port: RS-232 connector, used for data export and firmware updates  
Memory: Stores wipe, calibration, background, high voltage, isotope specification, isotope efficiency, Chi-Square testing results, technologist list, wipe locations list and latest MDA calculation. Results can be displayed and printed.  
Preset Radionuclides: 27 including Tc-99m, Co-57, Cs-137, Ga-67, Tl-201, I-123, I-125, I-131, In-111, F-18

**DETECTOR CABLE**

Length: Standard 8 ft. (243 cm); custom cable lengths available up to 20 meters  
Conductors: Six total – 2 for power, two for chassis ground, two for serial data  
Connectors: RJ-12

**WELL COUNTER**

Detector: 2" x 2" NaI (TI) integral line scintillation detector with a 0.75" dia x 1.44" depth well (1.9 x 3.7 cm)  
Style: Remote Detector  
Channels: 64  
MCA: Integral to Well Counter  
Spectral Resolution: FWHM 10%  
Count Rate: (Maximum) 30,000 cps  
Connectors: RJ-12 for power and signal  
Lead Shielding: 0.5" (1.2 cm) integral lead shield  
Optional Calibration Source: 0.1 µCi Cs-137 Rod Source  
Optional Additional Shield: 0.5" (1.2 cm) lead shield, slides over integral shield for total of 1.0" of shielding – includes cover  
Cover: Fits optional additional lead shield, has 0.25" (.6 cm) lead shielding

**PHYSICAL DATA**

Display Unit:  
Size: 9.5" w x 12" h x 12" d (24.1 x 30.5 x 30.5 cm)  
Weight: 4.2 lb (1.9 kg)

**WELL COUNTER**

Size: 6" d x 11" h (15.24 x 27.9 cm)  
Weight: 29 lb (3.2 kg)

Approvals: ETL listed to UL 60601-1 and CAN/CSA C22.2 No. 601-1M90, IEC 60601-1, IEC 60601-1-4 and IEC 60601-1-2



**086-331** Atomlab™ Wipe Test Counter .....\$3,995.00

Related:

- 086-333** Software, Atomlab 500 Data Manager .....\$100.00
- 086-334** Cable, European to Wall Outlet .....15.00
- 086-336** Chamber, Dose Calibrator .....5,500.00
- 086-339** Printer, Ink Jet.....250.00
- 075-596** Auxiliary Lead Shield .....450.00
- 063-139** Rod Source Cs-137 .....275.00
- 006-350** Wipe Test Kits 500/ pk .....70.00

An industry exclusive two-year warranty is standard.



*Biodex Medical Systems, Inc has been providing customers with innovative products and service excellence for 60 years. Our dedicated employees work as a team to bring the promise of functional and elegant design to life. At Biodex, customer satisfaction drives every decision. Our quality equipment and unsurpassed customer service, training and support allows you to forget about the product and focus on the patient...that's "The Clinical Advantage"™.*



Biodex Medical Systems, Inc.

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