

Wiper Gold — Sample Report Printouts

Reference attachment for SPD Scientific (M) Sdn Bhd tender documentation

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Reference email: RE: Wipe Test Counter Inquiry for Malaysia

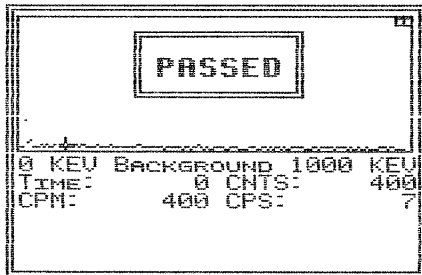
This document contains three representative printout examples from a current LTI **Wiper Gold** wipe-test counter, generated on the instrument's own production hardware and ESC/P 2 printer interface. The three reports cover the three reporting modes a typical nuclear-medicine operator runs on a daily basis:

1. Daily Background Verification — the instrument-health check the firmware requires every 24 hours.
2. General Wipe Test — full ISO Library scan, per-isotope breakdown with results in DPM, CPM, Bq, and nCi.
3. Single-Isotope Wipe Test — custom user-named test profile (here, HOTLAB targeting F-18), with one pass and one fail to illustrate the threshold logic.

Every report carries the date and time stamp from the instrument's internal clock, the test profile name, the configured trigger, the count time, and the AUTOSPECT APPLIED notation when Spectrum Compensation is active. The on-screen MCA spectrum is rendered into each printout, giving the operator and the institution a permanent paper record of what the detector actually saw at the time of the count — not just the computed number. This is the format used in production today; the same format prints whether the printer is the recommended Epson LX-350 or any other Epson FX/LX-compatible printer.

1. Daily Background Verification

Daily background check on the Wiper Gold, taken 12 May 2026 at 11:01:48 with a 1-minute count over the full 0–1000 keV window. The on-screen spectrum frame at the top of the printout shows the live MCA spectrum (essentially flat at baseline). Below the frame, the result line reports CPM 400, CPS 6.67. The test parameters used — Count Time 1.00 min, Window 1000 keV, Trigger 1000 DPM — are listed beneath the result. The PASSED indicator inside the spectrum frame confirms the background is below the configured trigger and the instrument is cleared for sample counting.



TIME: 11:01:48 05/12/26
CPM: 400 CPS: 6.67

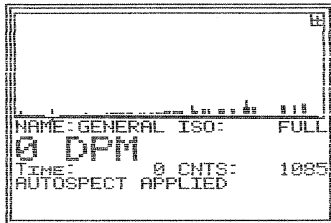
NOMINAL
Count Time (MIN) 1.00
Window KEV 1 1000
Trigger(DPM) 1000.00

Scanned directly from a Wiper Gold printout, 12 May 2026. Laboratory Technologies, Inc., Elburn, IL, USA.

2. General Wipe Test — Full Isotope Library Scan

Two-wipe survey using the GENERAL test profile (ISO: FULL), which scans every isotope in the on-instrument ISO Library and reports a per-isotope breakdown. Each wipe records the live MCA spectrum, the total DPM, AUTOSPECT APPLIED notation (confirming Spectrum Compensation was active), and a tabular results section with columns ISO, BKGND, DPM, CPM, Bq, nCi, HI keV, MDA — one row per isotope in the library (Tc-99m, I-131, Ga-67, In-111, Co-57, Cr-51, Na-22, I-125, F-18, Ba-133, Cs-137, plus full-window FULL and LSFULL). Note the **Bq column** directly addresses the 'result in DPM or DPS' requirement — DPS = Bq, reported natively. Wipe 01 (top) is a clean blank; Wipe 02 (bottom) shows low-level residual contamination dominated by I-125 (618 DPM, 10 nCi) but below the 2000 DPM trigger, so all isotopes are listed under PASSED ISOTOPES.

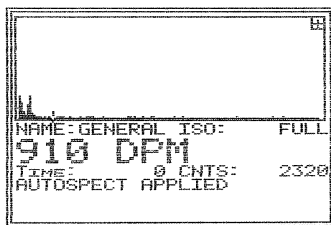
NAME: GENERAL ISO: FULL
 TIME: 11:22:59 05/12/26
 WIPE: 01



TRIGGER: 2000
 COUNT TIME (MIN): 1.00
 PASSED ISOTOPES:

ISO	BKGND	DPM	CPM	BQ	NC	HI KEV	MDA
FULL	1410	0	0	0	0.0	0.0	0.0
LSFULL	1269	0	0	0	0.0	0.0	0.0
Tc99m	61	0	0	0	0.0	0.0	0.0
I131	183	0	0	0	0.0	0.0	0.0
Ga67	36	0	0	0	0.0	0.0	0.0
In111	107	0	0	0	0.0	0.0	0.0
Co57	58	0	0	0	0.0	0.0	0.0
Cr51	154	9	0	0	0.0	0.0	0.0
Na22	263	0	0	0	0.0	0.0	0.0
I125	171	0	0	0	0.0	0.0	0.0
F18	309	0	0	0	0.0	0.0	0.0
Ba133	216	0	0	0	0.0	0.0	0.0
Cs137	461	0	0	0	0.0	0.0	0.0

NAME: GENERAL ISO: FULL
 TIME: 11:24:43 05/12/26
 WIPE: 02



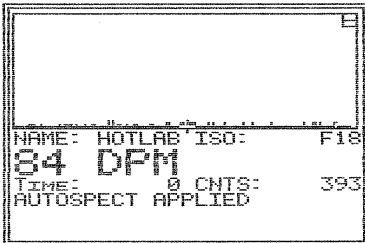
TRIGGER: 2000
 COUNT TIME (MIN): 1.00
 PASSED ISOTOPES:

ISO	BKGND	DPM	CPM	BQ	NC	HI KEV	MDA
FULL	1410	210	210	15	0.4	0.0	0.0
LSFULL	1269	319	319	5	0.1	0.0	0.0
Tc99m	61	7	7	0	0.0	0.0	0.0
I131	183	0	0	0	0.0	0.0	0.0
Ga67	36	0	0	0	0.0	0.0	0.0
In111	107	0	0	0	0.0	0.0	0.0
Co57	58	0	0	0	0.0	0.0	0.0
Cr51	154	4	4	0	0.0	0.0	0.0
Na22	263	0	0	0	0.0	0.0	0.0
I125	171	618	618	10	0.3	16	0.0
F18	309	13	13	0	0.0	0.0	0.0
Ba133	216	0	0	0	0.0	0.0	0.0
Cs137	461	30	26	0	0.0	0.0	0.0

3. Single-Isotope Wipe Test — Custom HOTLAB / F-18 Profile (PASS and FAIL)

A user-defined test profile named HOTLAB targeting F-18 only, illustrating both pass and fail behavior side-by-side. This demonstrates user-extensibility of the ISO Library: the operator can name the test, select the isotope window, set the trigger level, and the result is recorded under that custom name. Both wipes use the same 2000 DPM trigger and 1-minute count time. **Wipe 01 (top):** 84 DPM, near-baseline spectrum, PASSED ISOTOPES. **Wipe 02 (bottom):** 56,863 DPM, classic F-18 spectrum showing the 511 keV photopeak structure, FAILED ISOTOPES. Same isotope, same trigger, same instrument — the pass/fail logic is automatic based on the trigger, and the header changes from PASSED ISOTOPES to FAILED ISOTOPES accordingly.

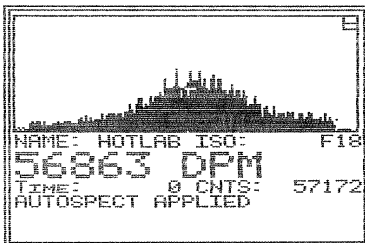
```
NAME: HOTLAB ISO: F18
TIME: 11:34:18 05/12/26
WIPE: 01
```



```
TRIGGER: 2000
COUNT TIME (MIN): 1.00
PASSED ISOTOPES:
```

ISO	BKGND	DPM	CPM	BQ	NC	HI KEV	MDA
F18	309	84	84	1	0.0	0	32.1

```
NAME: HOTLAB ISO: F18
TIME: 11:35:36 05/12/26
WIPE: 02
```



```
TRIGGER: 2000
COUNT TIME (MIN): 1.00
FAILED ISOTOPES:
```

ISO	BKGND	DPM	CPM	BQ	NC	HI KEV	MDA
F18	309	56863	56863	947	25.6	503	32.1