

QC: AUTO-GAMMA COUNTER (CLIA-88)  
UPDATED: AUGUST 2011

CPT CODE: N/A

---

On a daily basis, the auto-gamma counter will be checked for performance.

**Auto Calibration Program:**

The auto calibration program permits the user to automatically adjust the detector high voltage so as to compensate for temperature and detector drift.

Place the calibration nuclide tube (I-129) into a cassette with program C. Calibrate.

CHI SQUARE

Values between 7.63 to 36.19 indicate a 90% confidence level for 20 individual count cycles.

**QC Program:**

The quality control program permits the user to check system percentage of background change since the last QC program, location of the calibration peak resolution, and Chi square results.

**Service:**

If system does not function properly, it is taken off line until serviced and in proper working order. This includes printer failure.

System will warn user when any values are out of range.

Call Packard Service: 9-1-800-221-0362

All tests are copied in log book and checked by supervisor or designee on a weekly basis.

**Alternative:**

If the auto-gamma counter is unavailable, the MCA + Well can be used.

Perform the daily QC including the Chi Square.

CHI SQUARE

Values between 3.3 to 16.9 indicate a 90% confidence level.

---

Reviewed By: S. Perlman, D. Fuerbringer

---

Scott B. Perlman, MD, MS  
Chief, Nuclear Medicine

---

Derek Fuerbringer, CNMT  
Manager, Nuclear Medicine