Wipe Test Record

(To be performed within one week of radioisotope usage)

Date of Wipe Survey: _____ Minilicense Holder: _____ Minilicense Number: _____

Counting Equipment: _____ Model: _____ Type of Device: _____

Counting Efficiency: (cpm/dpm):_____ % Minimum Detectable Activity (MDA): _____ dpm Counting window: _____ (^{3}H, ^{32}P, wide open, etc)

Location of Wipe Survey: Building: _____ Room number(s): _____

Please paste a copy of your lab diagram identifying all the positions surveyed in the space given below. (If needed, diagram may be placed on a separate sheet)

Wipe Survey Data: **(*See Explanation 1,2,3,4)**

Wipe position in room	Time (min)	Count Rate (cpm)	Bkg (cpm)	Net Count Rate (cpm)	Net dpm (= Net cpm/Eff)	Net dpm >200/100cm^2 (Yes/No)

***1**. Net cpm = net sample counts per minute = gross sample counts per minute - background counts per minute

2. Efficiency = net cpm/dpm, where dpm = disintegrations per minute of a standard = A(µCi) x 2.22 x 10^6 dpm/µCi, where "A" is the activity of the standard source up to date in µCi's

3. MDA (Minimum Detectable Activity) MDA = 3 [Bkg cpm/T]^{½}/[Efficiency] where, T is the counting time in minutes: e.g. assume background count rate = 36 cpm, efficiency of the counter for H-3 is 60%, counting time = 1 minute, MDA = 3 x [36 cpm/1 min]^{½}/[0.60] = 30 dpm

4. If the net dpm > 200 dpm/100 cm^2, decontamination needs to be performed until the wipe test results are below 200 dpm.

Comments: _____ **Surveyed by:** _____

Minilicense Holder's Review: _____