

RPR 10B CONTAMINATION LIMITS AND ACTION LEVELS¹

<u>Nuclide Category</u>	<u>Removable Contamination Limit (RCL)²</u>
Electron and/or photon emitters:	
With ingestion ALI ≥ 1 mCi	1.0 nCi (2,000 dpm; 40.0 dps) per 100 cm ²
With ingestion ALI < 1 mCi	0.1 nCi (200 dpm; 4.0 dps) per 100 cm ²
Alpha-particle emitters:	0.01 nCi (20 dpm; 0.4 dps) per 100 cm ²

<u>Location</u>	<u>Quantity</u>	<u>Required Action</u>
Skin or hair	Any	Immediate removal by gentle washing
	>1 RCL	Immediate removal and bioassay ³ within normal interval
	>10 RCL	Immediate removal and bioassay ³ within 5 days
Clothing, personal or Protective	>1 RCL	Do not remove clothing from the lab; wash in the lab or store for decay of activity
	>10 RCL	Bioassay ³ within 5 days
Skin contact likely	>1 RCL	Do not remove clothing from the lab; wash in the lab or store for decay of activity
	>10 RCL	Bioassay ³ within 5 days
	>10 RCL	Bioassay ³ within normal interval
Surfaces or objects that Are readily accessible or normally touched e.g. bench tops, handles, ect.	>1 RCL	Until decontaminated, isolate, cover, label, ect. to prevent personnel contact; indicate location and activity in survey record
	>10 RCL	Decontaminate immediately; bioassay ³ required within normal interval for potentially exposed individuals
	>100 RCL	Decontaminate immediately; bioassay ³ required within 5 days for potentially exposed individuals
Equipment or facilities to be released for unrestricted use	>1 RCL Removable	Do not release until criteria are satisfied
	>10 RCL Fixed	
Other surfaces or objects (not readily accessible or normally touched)	>1 RCL	Label the contaminated area or object; indicate location and activity on survey record
	>10 RCL	Decontaminate within one week

¹ Based on NRC Regulatory Guide 8.23, Radiation Safety Surveys at Medical Institutions, Rev. 1, Jan. 1981.

² All contamination is presumed to be removable until proven otherwise. The limits are expressed as activity per 100 square centimeters, rounded to one significant figure. For all surfaces except skin, the contamination may be averaged over no more than 300 cm² for determining the appropriate action.

³ All requirements for bioassays in this table are for screening bioassays.