

TABLE II

*Junctional [<sup>125</sup>I]α-BTX binding site density in muscles of adult mice*

Comparison of acetylcholine receptor concentrations, as determined by [<sup>125</sup>I]α-BTX binding site densities at saturation (see "Materials and Methods") for neuromuscular junctions of adult mouse muscles labeled either before or after primary fixation. [<sup>125</sup>I]α-BTX site densities, expressed per μm<sup>2</sup> postjunctional thickened membrane, are given for sternomastoid (SM) and extensor digitorum (EDL) muscles of albino animals and for soleus (SOL) and EDL muscles of 129/ReJ animals. Each value represents the mean and standard error for several (three to seven) muscle regions sampled from one or more animals (tabulating >100 grains/animal). Numbers in parentheses indicate the number of animals examined. No consistent differences were found between maximal binding site densities of muscles labeled before or after fixation. Within a mouse strain, different muscles exhibited comparable binding site densities. However, junctional site densities were consistently lower in muscles of 129/ReJ mice as compared with albino mice.

Strain	Muscle	[ <sup>125</sup> I]α-BTX Site Density/μm <sup>2</sup> Thickened pjm	
		Labeled before Fixation	Labeled after Fixation
Albino	SM	18,700 ± 1,041 (3) <sup>a</sup>	17,150 ± 1,699 (2)
Albino	EDL	20,600 ± 2,200 (1) <sup>a</sup>	21,800 ± 1,443 (2)
129/ReJ	EDL	8,200 ± 247 (1)	12,100 ± 2,021 (4)
129/ReJ	SOL	6,900 ± 1,202 (1)	

<sup>a</sup> Data from Dr. Ralph Loring (personal communication).