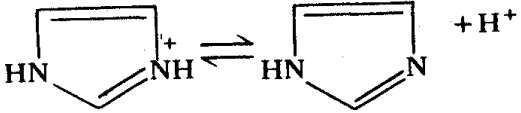
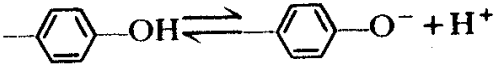
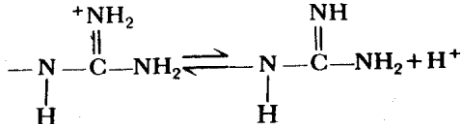


TALDEA	Ionizazio erreakzioa	pKa
Karboxilo muturra	$-\text{COOH} \rightleftharpoons -\text{COO}^- + \text{H}^+$	3.0-3.2
Az. Aspartiko edo glutamikoaren karboxilo taldea		3.0-3.5
Histidinaren imidazol taldea		5.5-7.0
Amino muturra	$-\text{NH}_3^+ \rightleftharpoons -\text{NH}_2 + \text{H}^+$	7.5-8.5
Lisinaren amino taldea		9.5-10.6
Zisteinaren sulfhidrilo taldea	$-\text{SH} \rightleftharpoons -\text{S}^- + \text{H}^+$	8.0-8.5
Tirosinaren hidroxilo taldea		9.5-10.5
Argininaren guanidino taldea		11.6-12.6