

Table 2. Turnover number of NHE1, NHE2, and NHE3 calculated from  $V_{max}$ , measured by fluorometry at 37°C, and amount of NHE at cell surface of PS120 fibroblasts

	NHE1	NHE2	NHE3
$V_{max}$ , $\mu\text{M H}^+/\text{s}$	4,148 $\pm$ 115	1,589 $\pm$ 293	1,433 $\pm$ 245
Amount of NHE on cell surface, pmol/mg protein	27.8 $\pm$ 2.13	14.0 $\pm$ 3.0 (85 kDa) 3.9 $\pm$ 0.2 (75 kDa)	11.70 $\pm$ 1.65
Turnover number, cycles/s	742 $\pm$ 47	459 $\pm$ 16*	609 $\pm$ 39†‡

Values are means  $\pm$  SE of 3 samples/group. For conversion of  $V_{max}$  from  $\mu\text{M/s}$  to  $\text{nmol} \cdot \text{mg protein}^{-1} \cdot \text{s}^{-1}$ , 1 mg of protein per 5  $\mu\text{l}$  of cell volume was used (3). \* $P < 0.05$  vs. NHE1; † $P > 0.05$  vs. NHE2 (not significant); ‡ $P > 0.05$  vs. NHE1 (not significant).