

Strong Acid + Strong Base

0.1 M HCl

0.1 M NaOH

25.0 mL

25.0 mL

$2.5 \times 10^{-3} \text{ mol} - 2.5 \times 10^{-3} \text{ mol} = 0.0 \text{ mol}$

$[\text{H}^+] = 1.00 \times 10^{-7} \text{ M}$

pH = 7.00

