

HIV?

Result

yes, 0.259

positive, 0.997

$$0.259 \times 0.997 = 0.2582$$

negative, 0.003

$$0.259 \times 0.003 = 0.0008$$

no, 0.741

positive, 0.074

$$0.741 \times 0.074 = 0.0548$$

negative, 0.926

$$0.741 \times 0.926 = 0.6862$$