

Lupus?

Result

positive, 0.02

Yes, 0.98

$$0.02 * 0.98 = 0.0196$$

No, 0.02

$$0.02 * 0.02 = 0.0004$$

negative, 0.98

Yes, 0.26

$$0.98 * 0.26 = 0.2548$$

No, 0.74

$$0.98 * 0.74 = 0.7252$$