

Overtone Series

Pitch Tendencies (valves)

The diagram illustrates the overtone series for a trumpet, showing the pitch tendencies for each valve combination. Above the musical notation, seven valve combinations are shown with their corresponding icons: three 'ok' (orange circles), one 's#' (red triangle), one '*sb' (blue square), one 'm#' (red triangle), and one 'v#' (red triangle). Below the icons are seven small images of the trumpet's valves in their respective positions. The musical notation consists of a grand staff with two staves. The upper staff shows the overtone series for each valve combination, and the lower staff shows the fundamental pitch. The valve combinations are labeled as OPEN, 2, 1, 12, 23, 13, and 123. A blue square with '*sb' is placed below the '12' label.

ok ok ok s# *sb m# v#

OPEN 2 1 12 23 13 123

or 3 *sb

* Can vary depending on the manufacturer.