

Table of Log Removal

<u>Log Cycle</u>	<u>initial amount, %</u>	<u>% removal</u>	<u>amount removed, %</u>	<u>% remaining</u>
1	100	90	90	10
2	10	90	9	1
3	1	90	0.9	0.1
4	0.1	90	0.09	0.01
Total Removed, %			99.99	4-Log Removal

For any number of log cycles, % removal = $100 (1 - 1/10^{\langle \text{log removal} \rangle})$

For example:

for 2-log removal, % removal =

$$100 (1 - 1/10^{\langle 2 \rangle}) = 100 (1 - 1/100) = 100 (1 - 0.01) = 100 (0.99) = 99\%$$