

What are the pH ranges of common buffers for HPLC – Tips & Suggestions

The table below shows a list of common buffers and their working ranges for HPLC:

Buffer	pH Range
Trifluoroacetic acid TFA	1.5-2.5
Phosphoric acid/monobasic phosphate (<i>pKa</i> 1)	1.1-3.1
Formic acid/formate	2.8-4.8
Acetic acid/acetate	3.8-5.8
Mono/dibasic phosphate (<i>pKa</i> 2)	6.2-8.2
Ammonia	8.2-10.2
1-methylpiperidine	9.1-11.1
Triethylamine TEA	10.0- 12.0



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