



## Excipients used in Monoclonal Antibody (mAb) manufacturing

USP offers the following reference standards for excipients used in the mAb manufacturing process or present in mAb formulations. Pharmaceutical excipients are substances other than the active pharmaceutical ingredient (API) that have been appropriately evaluated for safety and are intentionally included in a drug delivery system.

|   |   |
|---|---|
| <a href="#">Citric acid</a>                               | <a href="#">Mannitol</a>                  |
| <a href="#">Dextrose</a>                                  | <a href="#">Monosodium glutamate</a>      |
| <a href="#">Glacial acetic acid</a>                       | <a href="#">Pentetic acid</a>             |
| <a href="#">Glutamic Acid</a>                             | <a href="#">Polysorbate 20</a>            |
| <a href="#">Glycine</a>                                   | <a href="#">Polysorbate 80</a>            |
| <a href="#">L-Histidine</a>                               | <a href="#">Sodium acetate trihydrate</a> |
| <a href="#">L-Histidine monohydrochloride monohydrate</a> | <a href="#">Sodium chloride</a>           |
| <a href="#">L-Lysine hydrochloride</a>                    | <a href="#">Sodium citrate</a>            |
| <a href="#">L-Methionine</a>                              | <a href="#">Sorbitol</a>                  |
| <a href="#">L-Phenylalanine</a>                           | <a href="#">Sucrose</a>                   |
| <a href="#">L-Threonine</a>                               | <a href="#">Trehalose</a>                 |

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Please visit [our site](#) for all available excipients.