

Proteintech ACF (Animal Component Free) and XF (Xeno Free) Policy

Driven by the desire for improved product consistency and safety of our products, we follow a strict animal component free (ACF) and xeno free (XF) policy.

This policy ensures:

- The final product does not contain any constituent that is either an animal tissue, body fluid or components derived from it.
- All the materials, from procurement to final products are stored and handled in dedicated animal free facility.
- Final product or the primary process does not involve the use of materials from non-human animal sources or recombinant materials made from non-human animal sources.

ACF level 2 products may include a secondary/tertiary process involving the use of Heparin Sodium which has been immobilized on Sepharose beads and is not included in the final product. The Heparin Sodium is verified by the manufacturer to be of therapeutic grade and manufactured in accordance with cGMP.

Proteintech TF (Tag Free) Policy

This policy ensures no tags are used for expression and purification of proteins.

Benefits of Tag Free Proteins

- Inclusion of a tag can often result in changes to the structure of the protein of interest.
- Sometimes a tag interferes with the active site of the protein resulting in altered biological activity.
- Presence of a tag can increase immunogenicity of some proteins, which makes a tag-free recombinant protein more desirable for in vivo applications.

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