



### Blood products as sustainable ingredients in livestock nutrition: Protein source and alternative to antibiotics

Sustainable protein sources are essential for livestock nutrition, particularly in the context of reducing environmental impact and ensuring food security. Blood products, such as plasma and whole blood, are rich in protein and essential amino acids, making them valuable ingredients in livestock feed. These products can also serve as natural alternatives to antibiotics, helping to reduce the use of synthetic drugs and the risk of antibiotic resistance. The use of blood products in livestock nutrition is a sustainable practice that supports animal health and productivity while minimizing environmental footprint.