# Microalgal Biomass to Treat Iron Deficient Anemia

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## Technology description

The technology portfolio provides proprietary methods and microalgae-based feed compositions as an effective complement or replacement to grain-based animal feeds. These compositions maintain normal growth performance in swine and poultry and do not impact plasma protein, uric acid or inorganic phosphorus levels in fed animals.
**D-6696** relates to methods for treating iron deficiencies in animals by oral intake of MB.In vivoexperiments on deficiency-induced anemic weanling pigs have shown that the algae diet has elevated packed cell volume by 23-26% and blood hemoglobin concentrations by 22-32% after three weeks. This diet was also demonstrated to be effective in helping hemoglobin repletion. Additional experiments have shown promising results at extremely low algae concentrations.See also D- 5995 , D-6393 , D- 6770

## Application area

Food supplement for human or companion animal

## Advantages

Scalable, low cost and commercially available microalgae strains
Normal growth performance
Maintain digestibility
High concentrations of proteins, minerals and omega-3 fatty acids

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