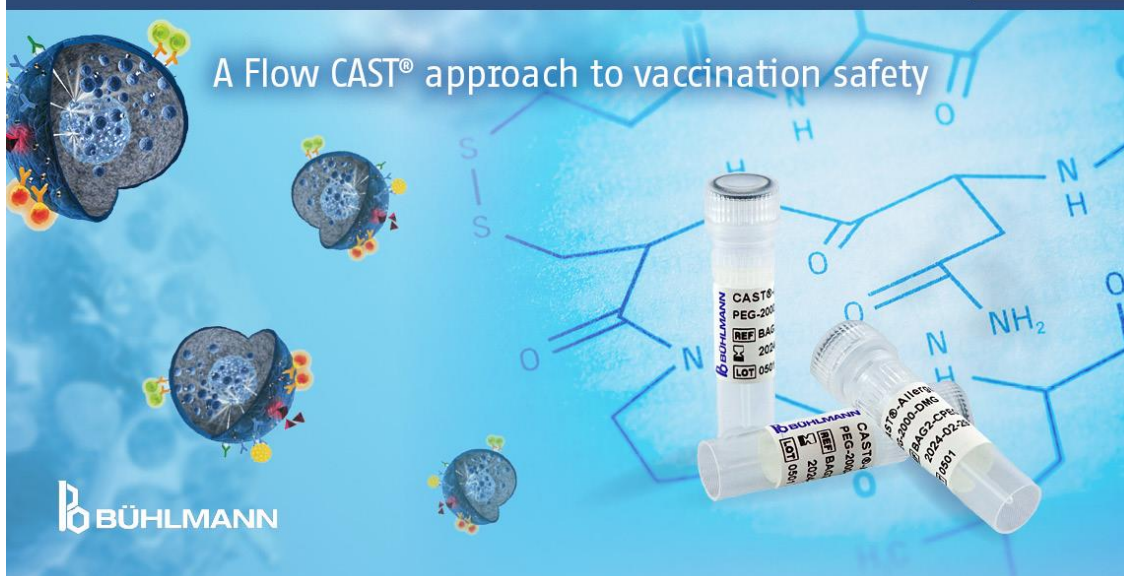




BÜHLMANN Polyethylene glycol (PEG) Allergens

NEW



New BÜHLMANN Polyethylene glycol (PEG) Allergens for potential vaccine reactions

As the COVID-19 vaccination campaigns are now running fast globally, the interest and public concern of Polyethylene glycol (PEG) hypersensitivity is raising since PEG is under investigation as the suspected culprit of the rare anaphylactic cases that could arise from mRNA vaccines.

For long time PEG was considered to be safe and is therefore used in several drugs on the market and in nanomedicine development with the aim to reduce immunogenicity of the substances. It is an excipient of the lipid structure which protects the mRNA in the COVID-19 vaccines and a hidden allergen present in cosmetics, food preparations and medical devices.

The knowledge of PEG hypersensitivity reactions is limited compared to other drugs and the mechanism of the anaphylactic reactions are still not fully understood.

The [Flow CAST®](#) Basophil Activation Test (BAT) is a powerful laboratory testing opportunity to investigate the patient's hypersensitivity reaction to PEG.

We received many requests from experts in the field who asked for standardized PEG allergens that engaged us to release the following portfolio of allergens to investigate PEG hypersensitivity:

- **PEG 4000 (order code, BAG2-CPEG)**

linear PEG of Molecular Weight in the range of 3500-4500

- **PEG 2000 (order code, BAG2-CPEG2)**

linear PEG of Molecular Weight in the range of 1900-2200

- **DMG PEG 2000, 1,2-Dimyristoyl-rac-glycero-3-methoxypolyethylene glycol-2000 (order code, BAG2-CPEG3)**

lipid component with a PEG 2000 chain used in the preparation of nanomedicines and liposomes like the mRNA COVID-19 vaccine of Moderna

To immediately respond to the increasing requests from the specialists in the field, the product is available as a Research Use Only (RUO) version now. The certification of such allergens as CE-IVD is expected soon.

[Read More](#)

BÜHLMANN Laboratories AG

A COMMITMENT TO DIAGNOSTICS – SINCE 1976

BÜHLMANN Laboratories AG

Baselstr. 55

CH-4124 Schönenbuch

Switzerland