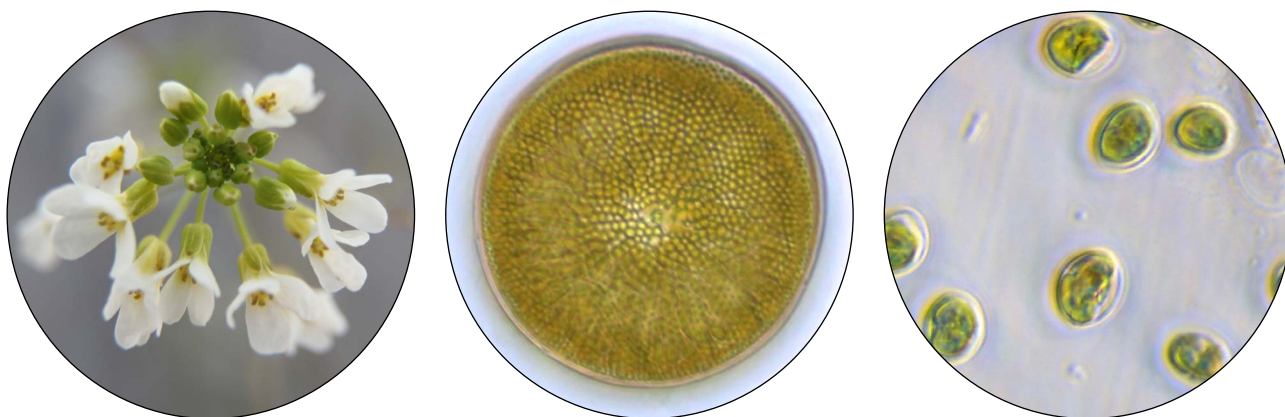

Protein Extraction Buffer

Product #: AS08 300

Agrisera's Protein Extraction Buffer (PEB) has been optimized for quantitative small-scale preparations of whole-protein extracts from various plant tissues, as well as algal and diatom samples. For proteins of high and medium expression.



Advantages

Extracts may be quantified using detergent-compatible methods, and have been shown to give highly reproducible and quantitative results in subsequent LDS/SDS PAGE gel electrophoresis, Western blotting, and immunoprecipitation. LDS is a component of a PEB buffer, which unlike SDS does not precipitate in the cold, making PEB buffer always ready to use. Tested on a wide range of species and tissues from higher plants, mosses, lichens, algae, diatoms, dinoflagellates, and cyanobacteria.

5 x 2 ml (4x stock) allows up to 75 isolations of plant material (using 500 μ l 1x PEB for 100 mg fresh weight), or 190 isolations of algal material (using 200 μ l 1x PEB for cell amounts corresponding to 4-10 μ g total chlorophyll).

Protein extraction tips

- ✓ Include protease inhibitors and, in some cases, proteasome inhibitors
- ✓ Work promptly and effectively with cold buffers
- ✓ When processing multiple sample sets, use equipment that allows simultaneous extraction from multiple samples, like e.g. a bead beater