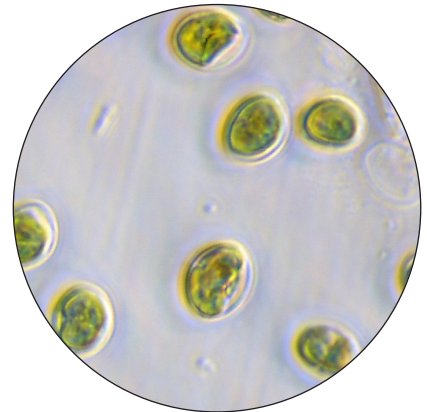

Protein Extraction Buffer

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 µl 1x PEB for 100 mg fresh weight), or 190 isolations of algal material (using 200 µl 1x PEB for cell amounts corresponding to 4-10 µg 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