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# Perflutren Protein-Type A Microspheres

National Cancer Institute

## Source

National Cancer Institute. *Perflutren Protein-Type A Microspheres*. NCI Thesaurus. Code C61105.

A sterile non-pyrogenic suspension of microspheres of human serum albumin with the stable, high-molecular-weight fluorocarbon gas perflutren, used as a contrast enhancement agent for ultrasound procedures. Because the acoustic impedance of perflutren protein-type A microspheres is much lower than that of blood, impinging ultrasound waves are scattered and reflected at the microsphere-blood interface and may be visualized with ultrasound imaging. At the frequencies used in adult echocardiography (2-5 MHZ) the microspheres resonate, which further increases the extent of ultrasound scattering and reflection.