



TurboBeads Llc., P/O Box, 8093 Zurich, Switzerland

Amine coated TurboBeads

Cat. No.: 1001

Size: 1 and 5 ml

Conc.: 30 mg/ml

Form: suspended in a storage buffer (10 mM PBS, 0.05wt % Tween 20)

Storage

Six month at room temperature. Do not freeze.

1. Composition & Application

Amine coated TurboBeads are carbon coated nanoparticles (diameter < 50 nm) which have a covalent amine functionality (> 0.1 mmol/g). The particles are suspended at a concentration of 30 mg/ml in a storage buffer.

For more information please consult the following publication: Grass et al. *Angew. Chem. Int. Ed.* 2007, 46, 4909-4912.

Sonicate TurboBeads prior to use (e.g. by the use of an ultrasonic bath). Collect the particles with a magnet and wash with the appropriate solvent prior to application.

2. Important notes

The material is not fully tested. TurboBeads contains carbon coated cobalt nanoparticles. These nanoparticles have unknown effects on human health and unknown impact on the environment. For R&D use only, not for drug, household or other uses.

The following R & S statements should be followed:

R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
R36	Irritating to eyes
R45	May cause cancer
R46	May cause heritable genetic damage
R53	May cause long-term adverse effects in the aquatic environment
R58	May cause long-term adverse effects in the environment
R68	Possible risk of irreversible effects
S3/7	Keep container tightly closed in a cool place
S20/21	When using do not eat, drink or smoke
S24/25	Avoid contact with skin and eyes
S27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

For technical support contact tech_service@turbobeads.com.