

STAR BEADS Silanol

Silica-coated magnetic beads for rapid nucleic acid isolation

Overview

STAR BEADS Silanol are monodispersed silica-based magnetic particles, 1 μM in size, with high batch-to-batch reproducibility. These particles are ideal for nucleic acid extraction in high quantities and purity, thus providing an easy-to-use and fast way for DNA/RNA isolation, which is compatible with manual and automated procedures. Nucleic acids are selectively bound to the magnetic beads' surface, whilst impurities such as salts, metabolites, and soluble macromolecular cellular components can be efficiently removed by a series of quick washing steps. The extracted highly pure nucleic acids are ready for downstream reactions, including Real-Time PCR, qRT-PCR, Sanger Sequencing, NGS, PCR, and other enzymatic reactions.

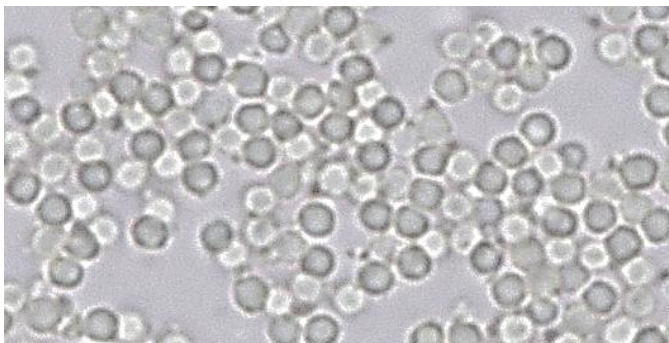
STAR BEADS Silanol are a component of the STAR BEADS Extraction Kit product line, available in bottled and pre-filled plate formats.

STAR BEADS Silanol are available for bulk order and can be adjusted to customer requirements on a custom OEM basis. For more info email to technical.support@cyanagen.com

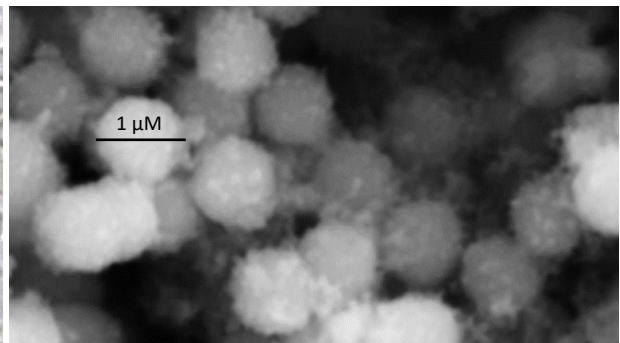
Parameter	STAR BEADS Silanol
<i>Diameter</i>	1 μM
<i>Concentration</i>	30 mg/mL
<i>Surface chemistry</i>	Silica (-OH)
<i>Magnet collection time</i>	< 30 seconds
<i>Color</i>	Dark brown
<i>Storage temperature</i>	4 $^{\circ}\text{C} \pm 3^{\circ}\text{C}$
<i>Shipping temperature</i>	Room temperature

Features

- **Mono-dispersed:** Consistent and reproducible results
- **High yield:** DNA/RNA extracted in high quantity and purity
- **Rapid:** Highly magnetic beads, pulled to the magnet in < 30 seconds
- **Good buoyancy stability:** Easier handling due to low sedimentation rate



(A)



(B)

Figure 1: (A) Image of STAR BEADS Silanol taken on BX43 microscope with DP23 100x fluorite objective lens. (B) SEM image of STAR BEADS Silanol taken on Tescan MIRA 3 at 27.1 kx.

Ordering Information

PRODUCT	ORDER-NO.	UNIT SIZE
STAR BEADS Silanol	SBB306,006	6 mL
	SBB306,050	50 mL