

Butyl Cellulose resin

Cat. No. Butyl-001C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Butyl Cellulose is useful for the chromatography of hydrophobic proteins. Many proteins have hydrophobic amino acid residues which will interact with the phenyl, butyl and octyl functional groups. Factors that influence this hydrophobic interaction include salt concentration, temperature, pH, organic solvents and surfactants. Protein adsorption usually occurs at high ionic strength, while elution occurs at lower salt concentrations. This is the opposite of ion exchange chromatography and complementary.
Cat.no	Butyl-001C
Characteristics	1. Spherical particles exhibiting high mechanical strength 2. Virtually no shrinkage or swelling 3. Stable in organic solvents and surfactants 4. Stable coupling chemistry 5. Resistant to 0.2 M NaOH
Form	suspension in 20 % EtOH
Matrix	cellulose
Functional group	Butyl group
Average particle size	40 – 130 µm
Chemical stability	pH 2 – 13, when operated at room temperature. Stable in most salts (NaCl, (NH ₄) ₂ SO ₄ , etc.) and most detergents (SDS, Tween, Chaps, etc.) Can be cleaned using 0.2 N NaOH. Autoclavable in suspension at neutral pH for 20 minutes at 121°C.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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pH working range	1-13
Autoclavable	121°C for 15 min in distilled water
Shelf life	5 years from date of manufacture

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