

Hz hydrazide resin

Cat. No. Hz hydrazide-3A **Lot. No.** (See product label)

SPECIFICATION

Product Overview

The Hz hydrazide resin activated support couples immunoglobulin G (IgG) molecules via carbohydrate moieties on the Fc region of antibody molecules. Fc attachment results in a more specific antigen-antibody interaction and 100–300% higher antigen binding capacity than other resins. The resin is a unique approach to IgG coupling to an agarose support matrix for affinity purification. This resin achieves a more uniform orientation of coupled antibody than currently available activated supports which couple via primaryamines.

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Description

The Hz hydrazide resin is an agarose support which reacts with the aldehydes of oxidized carbohydrates to form stable, covalent hydrazone bonds. Immunoglobulin G is a glycoprotein which contains approximately 3% carbohydrate localized on the Fc region (heavy chain) of the antibody. Periodate oxidation of vicinal hydroxyls of the sugars of these carbohydrates forms aldehyde groups for specific coupling to Hz hydrazide resin.

Matrix

Agarose

Functional group

Hz hydrazide

Average particle size

75-300 µm

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