

## Resin Binding Comparison – Glyoxal vs. CNBr

### Glyoxal Agarose Beads

- Binding through Lys zones; reproducible process
- Very stable ligand binding (covalent)
- High ligand binding capacity
- High specificity (no cation presence)
- Quick ligand conjugation
- No affinity ligand loss (reusable)
- Ready to use
- Long shelf-life (expiration 5 years)

### CNBr Activated Agarose Beads

- Random binding: low reproducible orientation
- Unstable ligand binding (reversible)
- Low ligand binding capacity
- Low specificity (acts as anionic exchanger)
- Slow ligand conjugation
- Affinity ligand loss (contaminations)
- Previous hydration step required
- Short shelf-life (recommended retest in 2 years)

## Binding Capacity of Human IgG (25°C) Glyoxal vs. CNBr

