

# Product Specification Sheet

Product: **Zetadex-50 Agglutination Grade**  
**Speciality Zetadex Gel Resin optimized for blood typing using Gel Card Technology**

Product Code: TM-0111  
 Standard Packaging: 100 g; 500 g; 1 kg; 5 kg; Bulk  
 CAS Number: 9048-71-9

Quality Parameter	Specification
Dry Bead Size, 20 - 50 µm:	> 92.5% m
Water Regain:	4.80 - 5.20 mL/g
Swelling:	9 - 11 mL/g
Appearance:	White solid

## Other Product Properties

Bead structure: Cross-linked spherical dextran composite  
 Bead size (Dry): 20 - 50 µm  
 Bead size (Wet): 40 - 100 µm

Maximum operating pressure: Generally obeys Darcy's Law:  $U = K_o \frac{\Delta P}{L}$  where

U = linear flow rate, cm/hour  
 ΔP = pressure drop over gel bed, cm H<sub>2</sub>O  
 L = bed ht, in cm  
 K<sub>o</sub> = 13.5 for Z-50 superfine

Chemical stability: All commonly used buffers, including: 0.2 M NaOH; 0.2M HCl; 1 M acetic acid; 8 M urea; 6 M guanidine HCl; 1% SDS; 24% Ethanol; 30% Propanol; 30% Acetonitrile.

pH stability: 2.0 to 10.0

Autoclavable: 121°C, pH 7 for 30 minutes

Sedimentation & IR: Consistent with standard Zetadex-50 superfine sedimentation rates and IR spectra.

Storage & Shipping: Ambient

The use of this product is strictly limited to trained personnel for professional manufacturing, laboratory, or research purposes. Final Fitness-For-Use must be determined by and is the sole responsibility of the end-user.