

CytoGrow™ Recombinant bFGF/FGF-2 (Chicken)

Catalog Numbers: CG114-A, CG114-B, CG114-C

Revision 1.0

Specifications

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| Synonym | Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; bFGF; Heparin-Binding Growth Factor 2; HBGF-2; FGF2; FGFB |
| Species | Chicken |
| Size | 10µg/50µg/1mg |
| Tag | Tag free |
| Purity | ≥ 95% |
| Endotoxin | ≤10 EU/mg by the LAL method |
| Expression System | E. coli |
| Expression Region | Pro13-Ser158 |
| pH | 7.0-8.0 |
| Appearance | White Powder or clear liquid |
| Formulation | Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4 |
| Shipping | US - Ships overnight |
| Reconstitution | Recommended to redissolve in sterile deionized water. |
| Storage and Stability | <p>Lyophilized state: 36 months at -20°C to -80°C</p> <p>After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C</p> <p>Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> |

Bioactivity

Reconstitution

1. Reconstitute protein to concentrations of 100 µg/mL or higher.
2. Use sterile deionized water to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at -20°C to -80°C to avoid repeated freeze thaw cycles.