

Gibco® Advanced Granulation Technology™ Format

Helping to enable technologies in cell culture media



Best-in-class single-component, particulate-free powder for chemically-defined cell culture

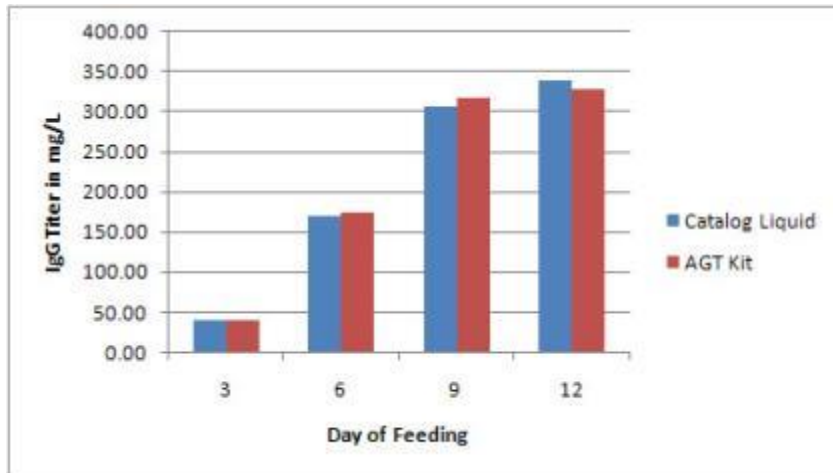
- **Consistent high titer scale-up**
from research through production
- **Reduces risks associated with traditional powders**
 - Eliminate multiple components
 - Adjust pH/osmolality levels automatically
 - Reduce Quality Control steps
 - Permits worry-free sterile filtration
- **Well-established innovative technology**
utilized by over 300 customers in multiple commercial processes
- **Can be used to manufacture customer formulations**

Features	Benefits	Products and Services
<p>Convenience, ease of use</p> <ul style="list-style-type: none"> • Single component media preparation • Short mixing time • Auto PH/osmolality (base media) <p>cGMP Quality</p> <ul style="list-style-type: none"> • Chemically defined, serum free • Variable hydrolysate free (except for VPSFM / OptiPro AGT) <p>Reliability</p> <ul style="list-style-type: none"> • Lot to lot consistency regardless of scale • Up to 24 month real time shelf life 	<ul style="list-style-type: none"> • Helps enable increased productivity with reduced downtime • Helps reduce costs by eliminating need for multiple raw materials/filters • Helps accelerate time to market with ease of scale up • Helps mitigate risk 	<p>Catalog and Custom formulations</p> <ul style="list-style-type: none"> • CD CHO • CD OptiCHO™ • CD FortiCHO™ • VPSFM / OptiPro AGT • CD Hybridoma • CHO CD EfficientFeed™ A • CHO CD EfficientFeed™ B • CD EfficientFeed™ C AGT • FunctionMAX™ TiterEnhancer Additive <p>Services</p> <ul style="list-style-type: none"> • Gibco® PD-Direct Services • Gibco® Media Express • Gibco® cGMP Media Custom Services

Helping to set standards in cell culture media

Gibco® Advanced Granulation Technology (AGT™) Format

Equivalent performance
across formats



Customer data comparing AGT™ and liquid medium
formats with multiple clones

Easy scale up
1kg to 8,000 kg



Small volume testing prior to scale-up,
same lot-to-lot consistency