CELL ST.

Cell culture media For better lives

> Shortcut to Official Channel



What we can offer

Ajinomoto CELLIST Korea offers contract manufacturing services for cell culture media using customers' formulations. Leveraging Ajinomoto's expertise in nutritional knowledge and advanced control technology over physical properties, we can ensure the delivery of superior quality and cost-competitive solutions.

- Flexible small to large scale media or supplement production
- Provide prototype media or supplement usually in 10 business days after order in a non-GMP environment
- Provide media or supplement usually in 6-12 weeks after order in a GMP compliant environment
- Offer competitive price

Overall Process



Service Features / Reference

(ar strengths) Our strengths _____

- Expertise in sourcing raw materials
- Rapid production response in emergency situations
- Swift shipping response leveraging geographical advantage (within Asia)
- Creating proprietary manufacturing processes and testing methodologies for our media
- Adaptable approach to diverse customer needs through inter-departmental collaboration (such as tailgate samples, trace metal measurements, etc.)

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Our reference

CELL ST ...

- Continuous supply of media products for blockbuster pipelines with the lowest prices
- Meeting urgent CMO (Contract Manufacturing Organization) requests (Customer Inquiry - Raw Material Preparation - Pilot Production - Evaluation - Manufacturing -Delivery: 3 months)
- CMO request response for Classical Media (under 2 months)
- Lowered the customer's production expenses by delivering customiozed pre-mixture blends of over 10 different raw materials.

Supported Items

We specialize in tailored manufacturing services for a wide range of powdered formulations, catering to individual customer requirements.

- Powder Media / Supplement in lots up to 10kg, packaged in aluminum pouch or plastic pail by weight

Container(L)	5L	10L	20L	80L	250L	1,000L	2,000L
non-GMP	~2kg	~5kg	~10kg				
cGMP			~10kg	~50kg	~100kg	~450kg	~1,000kg

- Annual maximum production capacity: 200 ton (1 ton x 200 batches) - Various kinds of formulas includes:

- Customer-developed formulas

- Classical formulas with or without modifications (e.g. DMEM with low NaCl) - Media are packaged in aluminum pouch or plastic pail by weight

	Aluminum pouch	6L Plastic drum	20L Plastic drum	60L Plastic drum
Amount(kg)	~0.050kg	~3kg	~10kg	~20kg
Amount(L)	~1L	~50L	~500L	~1,000L

Quality Control Testing

- Product quality are evaluated by the following tests
- Appearance (powder, after dissolving)
- Loss on drying
- pH (after dissolving)
- Osmotic pressure (after dissolving)
- Cell culture test
- Endotoxin test
- Microbial limit testing (TAMC / TYMC)
- Mycoplasma

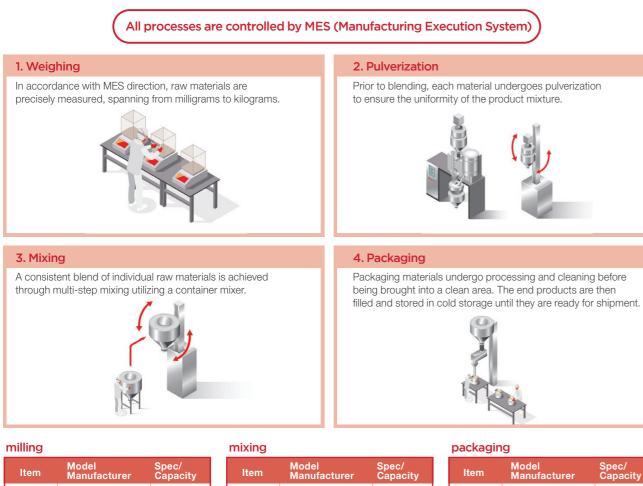
- Result of Analysis is available for prototype. Testing includes Appearance, Solubility, pH and Osmolality. TAMC/TYMC, Endotoxin, Mycoplasma and Cell culture are optional, requiring more lead-time to the delivery.

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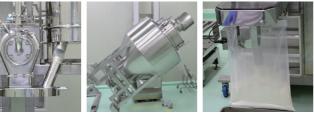


Manufacturing Process

Production at our technical laboratory and cGMP-compliant factory is well-established, allowing efficient & speedy manufacturing with high quality for ranging from small scale to industrial supply.



Spec/ Container PM100 ~50kg Powder UPZ100 ~50kg ~20kg Mixer Hiroshima M&M /Lot Pin Mill TM-F31M7-L filling Hosokawa Micron /hr /package machine Toyo Machinery Container PM400 ~100kg (±5.0g) (Large) Hiroshima M&M Mixer /Lot UPZ160 ~140kg Pin Mill Hosokawa Micron PM1000 /hr Container ~500kg Powder ~30g Hiroshima M&M Mixer /Lot filling /package ~750kg UPZ250 machine Container PM2000 ~1,100kg Pin Mill (±0.002g) Hosokawa Micron /hr Mixer Hiroshima M&M (Small) /Lot



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Quality System





ASQUA Ajinomoto Group Quality Assurance System -

- ☑ Validated and controlled manufacturing process
- ☑ Quality review of batch records
- ☑ Qualified and Validated analytical methods
- ☑ Raw material characterization and management
- ☑ Certificate of Analysis, Certificate of Origin and MSDS available

GMPs / ICH Q7 / 21CFR Part 820

ISO9001

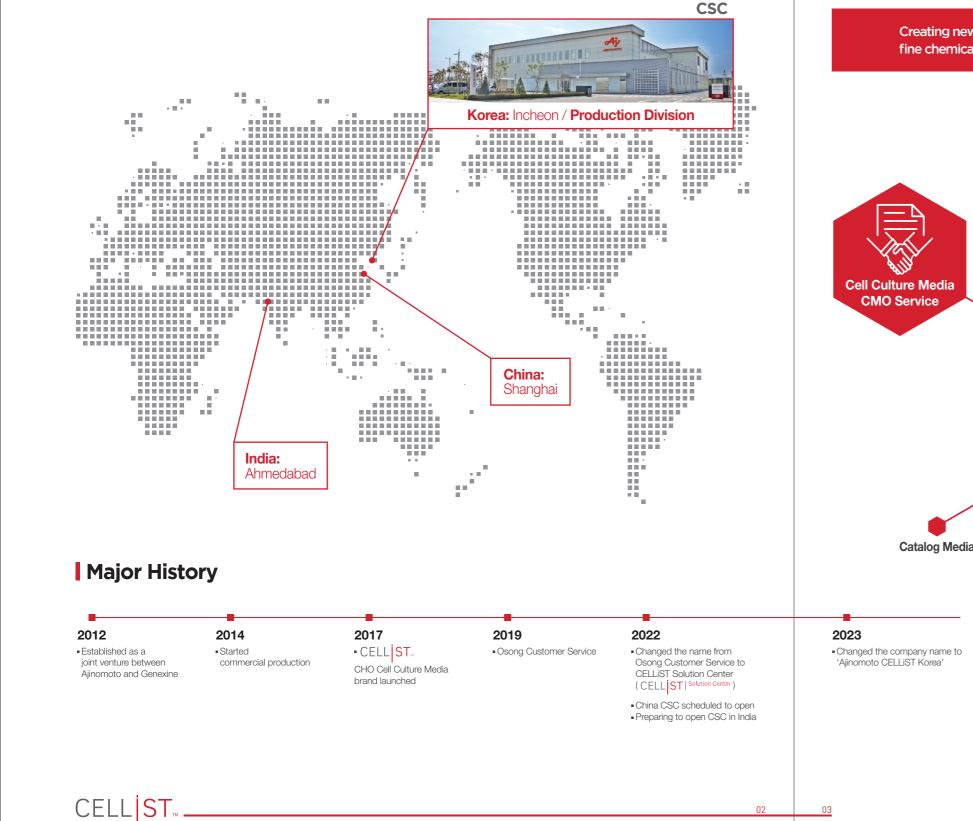
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www.ajinomotocellistkorea.com

Who is Ajinomoto CELLiST Korea



What Ajinomoto CELLiST Korea can do

