

SAFC®

Pharma & Biopharma Raw
Material Solutions

MERCK



imMEDIate ADVANTAGE® Service

Small Volume Custom Media

Our imMEDIate ADVANTAGE® service for pre-GMP, small scale custom media, feeds, supplements and buffers is one example of our support. This expedited service provides you the competitive advantage to complete your development work quicker and accelerate your molecule to market sooner.

We understand quick never replaces quality. Our centers are uniquely designed and equipped with manufacturing technology equivalent to our large scale GMP facilities, and are aligned with key elements of our quality systems. This ensures the reliable use and quality of our small volume products.

Key Features

- **Raw Materials**

Qualified, same source as our GMP facilities with the option to use unique, non-qualified raw materials for your experiments.

- **Operational Management Systems**

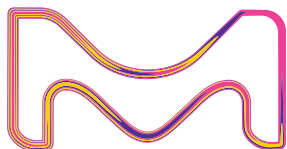
Master formulation management, batch record management including raw material lot traceability, controlled process procedures and trained team members.

- **Product Design**

Formulation assessment on manufacturing feasibility by our design engineers, feasibility studies on concentrates, development of hydration instructions.

- **Product Documentation**

Certificates of Analysis and Safety Data Sheets for all products.



The Life Science business of
Merck operates as MilliporeSigma
in the U.S. and Canada.

We also understand how valuable every experiment you do equates to time in the race to market. Our service has been developed with the right attributes to ensure the data you generate is trusted first time.

Attribute	Feature	Liquid	Dry Powder
Product	Batch size	1 to 200 L	0.5 to 20 kg
Water quality	Milli-Q® Ultrapure Water System	✓	N/A
Weigh requirements	Procedure defined weigh tolerances	✓	✓
Formulation	Defined raw material group rules and order of addition to the process vessel	✓	✓
Milling and blending controls	Designed to ensure homogeneous product with flowability and bulk density measurements recorded.	N/A	✓
Mixing, solubility and filtration	Calibrated mixing tanks with procedure requirements for mixer placement. Formalized check to ensure solubility prior to filtration. Millipore® PES and PVDF membranes (0.2 µm for sterile filtration, 0.1 µm used as needed).	✓	N/A
Product use information	Hydration instructions developed in-house or with customer collaboration.	N/A	✓
Performance	Certificate of analysis	Appearance, pH, osmolality, contamination clearance* and conductivity (buffers only)	Appearance, pH, osmolality, and solubility
Packaging	Standard product packaging	Sterilized PET bottles with tamper evident seals (100–2000 mL) Sterilized bags with standard connections (1–20 L)	Bottles with tamper evident caps Protective buckets with two liners, desiccant pouch and tamper evident seal

*Not included on the CoA

Site to Site Comparability

As your process development may require global involvement, we know the importance of ensuring all of our Centers operate to the same standards. All sites are managed locally with global program oversight and autonomy to ensure the global consistency you expect.

- Similar or same equipment design and execution
- Same procedures for operation and process boundaries
- Proven performance of product comparability

Our imMEDIATE ADVANTAGE® Centers are strategically located to support global process developers who require access to small volume, expedited service, custom cell culture products:

- Lenexa, Kansas, USA
- Nantong, China
- Songdo, South Korea
- Daejeon, South Korea (opening in 2026)

The work you do today defines the products of tomorrow. Our ability to support your bioprocess development activities is strengthened by more than 50 years of cell culture media formulation and manufacturing expertise. Let us be your trusted partner and contact your sales representative or application specialist for a personalized quote.



Find out more about our Custom Solutions for Cell Culture Media



To place an order or receive technical assistance:
[SigmaAldrich.com/support](https://www.sigmaaldrich.com/support)



For local contact information:
[SigmaAldrich.com/offices](https://www.sigmaaldrich.com/offices)

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt, Germany
[SigmaAldrich.com](https://www.sigmaaldrich.com)

