

Maximize performance with HyClone[™] media and supplements

(cellerex XDR-1000

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Boost performance. Strengthen results.

Intensify your cell culture process

Achieving peak performance of protein-producing cell lines in biopharmaceutical manufacturing requires careful selection of cell culture media. Media supplements and optimally designed feeding strategies can further improve titers and deliver desired product quality characteristics. To help you maximize cell culture performance in your

biomanufacturing process, we offer a comprehensive range of HyClone media and feeds for many different industrial cell lines, including Chinese Hamster Ovary (CHO) and Human Embryonic Kidney 293 (HEK293). Our products take you from transfection, screening, and development, to large-scale manufacturing.

Off-the-shelf solutions for cell culture

Media for monoclonal antibody (mAb) and recombinant protein production

with common protein-producing cell lines, such as CHO and HEK293. Refer to Table 1 for animal-derived component-free

These serum-free basal media are designed to be utilized (ADCF), chemically-defined (CD), and protein-free formulations for use with your cell line of interest.

Table 1. Composition of serum-free media (SFM) for mAb and recombinant protein production

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Cell type	SEM	ADCF	ଡ	Protein	Recombre	in Growth th	ser Hydroly	P HYPOKanid	in Lipids!	Poloxan	catalogider	Catalogid
	ActiPro™	۰	۰	0						Powder and liquid	SH31037	SH31039
	ActiSM™	٠	٠	0						Powder and liquid	SH31038	SH31040
	CDM4CHO	•	٠	٠		•			٠	Liquid	SH30556	SH30557/ SH30558
CHO*	HyCell™ CHO	•	•		٠	•		•	٠	Liquid	SH30933	SH30934
СНО	SFM4CHO			٠		•	٠		٠	Liquid	SH30518	SH30549/ SH30548
	SFM4CHO-Utility					٠	٠		•	Liquid	SH30517	SH30516
	PF-CHO LS			٠		٠	٠		•	Liquid	NA	SH30359
	PF-CHO MPS			٠		٠	٠		•	NA	SH30333	NA
HEK293	CDM4HEK293	٠	٠	•		٠				Liquid	SH30859	SH30858
	ADCF-MAb	•			•		•	•	٠	Liquid	SH30635	SH30349/ SH30547
Hybridoma/ myeloma**	CDM4MAb	٠	٠		٠			٠	٠	Liquid	SH30800	SH30801/ SH30802
	CDM4NS0	٠	٠	٠				٠	•	Liquid	SH30578	SH30579
	SFM4MAb						•	•	٠	Powder and liquid	SH30535	SH30391/ SH30513
	PF-MAb	٠	•	•						NA	NA	SH30138
PER.C6®	CDM4PERMAb	٠	•	0		۰		۰	•	Liquid	SH30872	SH30871

* CHO media is for CHO-K1, CHO-M, CHO-S, DG44, DUXB11, GS-CHO and other CHO-derived cell lines

** Hybridoma/myeloma media is for cell lines such as NS0, Sp2/0 and P3-derived hybridomas

*** Protein-free media does not contain any proteins of molecular weight >10 kDa

Media supplements

HyClone Cell Boost[™] supplements used in various feeding and recombinant protein production. See Table 2 to identify strategies to enhance product titer and protein quality in mAb nutrient formulations that meet your cell line's requirements.

Table 2 Composition of Coll Boost supplements

	osition of cell boost supplements	5				*5		rerol		
Supplement	Celleype	Amino?	vitamins	Glucose	Traceed	emen Growth P	ides Hypoxanth	ane ADCFlip	ADCF	tholest catalog
Cell Boost 1	CHO, HEK293	٠	٠	•						SH30584
Cell Boost 2	CHO, PER.C6	٠		•						SH30596
Cell Boost 3	Hybridoma, myeloma	٠	٠	٠	٠		٠			SH30825
Cell Boost 4	СНО	٠	•	•	٠	٠		٠	٠	SH30857
Cell Boost 5	CHO, HEK293, Hybridoma, NSO	٠	٠	•	٠	٠	٠	٠	٠	SH30865
Cell Boost 6	CHO, HEK293, Hybridoma, NSO, T-cells	٠	٠	•	٠	٠	٠	٠	٠	SH30866
Cell Boost 7a	СНО	•	٠	•	٠					SH31026
Cell Boost 7b	СНО	٠								SH31027

Media for vaccine and viral vector production

Our portfolio includes media for Vero, MDCK, MDBK, COS-7, vaccines like influenza, polio, and MMR as well as for use EB66[®] and other cell lines used in the production of viral with viral vectors. View Table 3 for details.

Table 3. Composition of media for vaccines and viral vectors

Cell type	str	ADCF	େ	Protein	Recombine	ant Growthfr	desi hydroli	Fates Hypotanti	ine Lipids	Jetolesterol Polorar	Let 188 catalog	et catalog
EB66	CDM4Avian	•	٠	•	•					Liquid	SH31035	SH31036
	CDM4HEK293	٠	٠	٠		۰				Liquid	SH30859	SH30858
HEK293	SFM4HEK293	٠		٠	•	٠	٠		٠	Liquid	SH30522	SH30521
	PF-293	٠		۰		۰	٠		٠	Liquid	SH30355	SH30356
	SFM4Insect	٠					٠		٠	Powder and liquid	SH30912	SH30913
Sf9, Sf21, High Five™	SFX-Insect						٠		٠	Liquid	SH30350	SH30278
	TMN-FH						٠			NA	NA	SH30280
DED C6	CDM4PERMAb	٠	۰	•		•		۰	•	Liquid	SH30872	SH30871
PER.C0	CDM4Retino	٠	•	۰		۰		۰	٠	Liquid	SH30519	SH30520
Vero, COS-7, MDCK, MDBK	SFM4MegaVir	۰		۰		۰	٠		•	NA	SH30587	NA

*** Protein-free media does not contain any proteins of molecular weight >10 kDa

Media for transfection and transient expression

Our transfection media have been tested with a wide range of HEK293 and CHO cell lines and support high transfection efficiency using lipid-mediated, such as DharmaFECT[™], polymer-mediated and other transfection methods. HEK293 transfection medium is suitable for adenoviral (AdV), adeno-associated viral (AAV), lentiviral, retroviral and recombinant protein production. CHO transfection medium is suitable for recombinant protein and mAb production.

Refer to Table 4 to identify a transfection medium for your application.

Table 4. Composition of transfection media

Cell type	stm	ADCF	Recombinant	Growth facto	Hypotanthine	Lipids/choles	Poloraner ¹	catalost dei	catalog#
СНО	HyCell TransFx-C ⁺	٠	•	٠	•	•	NA	SH30942	SH30941
115//207	HyCell TransFx-H ⁺	٠	•	•	•	•	NA	SH30944	SH30939
HEK295	SFM4Transfx-293 [‡]	٠	٠	٠			Liquid	SH30861	SH30860

⁺ developed for transient transfection and recombinant protein production.

[‡] developed for stable transfection and transfection of lentiviral and adenoviral constructs and production of virus.

About our media and supplements for bioprocessing applications

For your convenience, media are available in both liquid and powder format in a variety of package sizes, which can be customized to meet your needs. To support your large-scale manufacturing needs, media can be custom manufactured in lot sizes up to 10 000 L for liquid and 6500 kg for powder (density-dependent). If you prefer a customized medium formulation, ask about our Fast Trak media development and optimization services. GE Healthcare is a global provider of biomanufacturing solutions. Our media and supplement manufacturing operations are part of our holistic security of supply program, based on the three pillars of supply chain sustainability, business continuity, and communication.

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