

# Product Data Sheet

## SILAC Media

Catalog Number: 0420 to 0433 and 0416 to 0419

### Product Description

SILAC media is prepared specifically for labeling experiments involving the use of stable amino acid isotopes. Athena provides several of the most commonly used media without L-arginine, L-lysine, L-leucine and L-methionine, the four mostly commonly used heavy isotope labeled amino acids.

### Powdered Formulations

The SILAC ingredients are milled to a fine particle size, blended to give a homogeneous mix and filled in moisture proof pouches. Each pouch contains enough medium to prepare 1 liter of medium.

- *Cost-effective - 60% less expensive than liquid*
- *Lower shipping costs*
- *3 year shelf-life*

Stock solutions of each of the four missing amino acids can be purchased separately.

### Ready-to-Use Liquid

The SILAC medium is prepared as a ready-to-use liquid that is sterile filled and filled in 500 ml bottles. Each bottle is supplied with stock solutions of each of the four missing amino acids. This permits reconstitution of complete medium.

- Convenient ready-to-use
- Eliminates prep time
- Just add sterile amino acids and supplements

### Custom Media

If you need a medium formulation without other amino acids or components, AthenaES™ specializes in low volume custom production of formulations of other cell culture media. To request a custom tissue culture go to Custom Medium Request to submit an online request form.

### Specifications and Storage

Storage	4°C
Stability at 4°C	Liquid: 3 - 4 months Powder: 3 years
pH	7.3 ± 0.2
Osmolality	270 - 300 mOsm



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### Ordering Information

Cat. No.	Description	Size
0420	DMEM High Glucose	500mL
0421	DMEM Low Glucose	500mL
0422	RPMI 1640	500mL
0423	DMEM/F12	500mL
0424	MEM	500mL
0425	Ham's F12	500mL
0426	McCoy's 5A	500mL
0428	Neural Basal Medium	500ml
0429	Insect SFM	500ml
0430	DMEM High Glucose	1L, powder
0431	DMEM Low Glucose	1L, powder
0432	RPMI 1640	1L, powder
0433	DMEM/F12	1L, powder
0416	1,149 mM L-Arg	6 x 0.5mL
0417	800 mM L-Lys	6 x 0.5ml
0418	160 mM L-Leu	12 x 1.25ml
0419	201 mM L-Met	6 x 0.5ml

All media are made without Phenol Red or Sodium Pyruvate as well as without Arg, Lys, Leu, Met.

### References

SILAC Organization, [www.silac.org](http://www.silac.org)

Ong and Mann. 2007. A practical recipe for stable isotope labeling by amino acids in cell culture (SILAC). Nat. Protocols 1:2650-2660.