# argininosuccinate lyase

*Cat. No. EXWM-5296*

*Lot. No.* (See product label)

## Introduction

| | |
|---|---|
| ***Description*** | ASL (argininosuccinate lyase, also known as argininosuccinase) is an enzyme that catalyzes the reversible breakdown of argininosuccinate (ASA) producing the amino acid arginine and dicarboxylic acid fumarate. Located in liver cytosol, ASL is the fourth enzyme of the urea cycle and involved in the biosynthesis of arginine in all species and the production of urea in ureotelic species. |
| ***Synonyms*** | arginosuccinase; argininosuccinic acid lyase; arginine-succinate lyase; N-(L-argininosuccinate) arginine-lyase; ω-N-(L-arginino)succinate arginine-lyase; 2-(ω-N-L-arginino)succinate arginine-lyase (fumarate-forming) |

## Product Information

| | |
|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 4.3.2.1 |
| ***CAS No.*** | 9027-34-3 |
| ***Reaction*** | 2-(Nω-L-arginino)succinate = fumarate + L-arginine |
| ***Notes*** | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications. |

## Storage and Shipping Information

| | |
|---|---|
| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |