

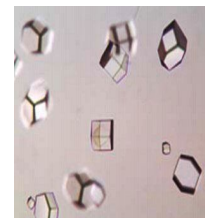
## Product Datasheet

### Lysozyme orb94071

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Description</b>         | Lysozyme                        |
| <b>Conjugation</b>         | Unconjugated                    |
| <b>Tested Applications</b> | PCR                             |
| <b>Target</b>              | Lysozyme                        |
| <b>Form/Appearance</b>     | aqueous solution                |
| <b>Concentration</b>       | 20 mg/ml                        |
| <b>Storage</b>             | Store at 4 °C.                  |
| <b>Note</b>                | For research use only.          |
| <b>MW</b>                  | 14.3 kDa                        |
| <b>CAS Number</b>          | 12650-88-3                      |
| <b>Expiration Date</b>     | 12 months from date of receipt. |

**Application Notes** Crystals can be grown using the sitting drop, hanging drop or microbatch method. Following crystallization conditions are suggested for lysozyme crystal growth:

- 0.7 – 1.5 M Sodium Chloride, 100 mM Sodium Acetate pH 4.0 - 4.8
- 10 % w/v Sodium Chloride, 5% v/v Propanol
- 0.44 M Sodium Nitrate, 100 mM Sodium Acetate pH 4.6



Microbatch method:  
Lysozyme  
crystal grown in the  
presence  
of 8% w/V NaCl and  
100mM  
Sodium acetate with pH4.2

**Experiment Notes:** Lysozyme can be utilized as model protein in crystallization experiments and X-ray structure analysis.