**Table 1. Experimental data obtained from the SAXS measurement of lysozyme crystallization solutions with precipitants from crystallization kits CS 1 and CS2. Oligomeric composition (volume fractions of monomers, dimers and octamers),   
Rgand χ2 are shown. Data arranged in ascending order of volume fraction of octamers   
(from 0 to 0.7 %).**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| № | Precipitant | Rg, Å | Mon,% | Dim,% | Oct,% | χ2 | Chemical composition of precipitant solution |
| 1 | CS1 1 | 14,3 | 100 | 0 | 0 | 3,26 | 0.01 M Cobalt chloride  0.1 M Sodium acetate pH 4.6  1.0 M 1,6-Hexanediol |
| 2 | CS1 10 | 15,5 | 90,7 | 9,3 | 0 | 1,37 | 0.2 M Magnesium chloride 0.1 M HEPES sodium salt pH 7.5  30 %(v/v) Isopropanol |
| 3 | CS1 11 | 15 | 94,6 | 5,4 | 0 | 1,25 | 0.2 M Ammonium acetate 0.1 M TRIS.HCl pH 8.5, 30 %(v/v) Isopropanol |
| 4 | CS1 14 | 14,3 | 100 | 0 | 0 | 6,97 | 25 %(v/v) Ethylene glycol |
| 5 | CS1 15 | 14,3 | 100 | 0 | 0 | 2,24 | 0.02 M Calcium chloride 0.1 M Sodium acetate pH 4.6  30 %(v/v) MPD (2-Methyl-2,4-pentanediol) |
| 6 | CS1 16 | 14,5 | 98,3 | 1,7 | 0 | 1,18 | 0.2 M Sodium chloride  0.1 M Sodium acetate pH 4.6  30 %(v/v) MPD |
| 7 | CS1 17 | 16,3 | 81,6 | 18,4 | 0 | 1,2 | 0.2 M Ammonium acetate 0.1 M *tri*-Sodium citrate pH 5.6  30 %(v/v) MPD |
| 8 | CS1 2 | 16,3 | 81,6 | 18,4 | 0 | 1,69 | 0.1 M *tri*-Sodium citrate pH 5.6  2.5 M 1,6-Hexanediol |
| 9 | CS1 21 | 15,6 | 89,1 | 10,9 | 0 | 1,43 | 0.2 M Ammonium phosphate  0.1 M TRIS pH 8.5  50 %(v/v) MPD |
| 10 | CS1 23 | 14,3 | 100 | 0 | 0 | 2,17 | 0.1 M TRIS pH 8.5  25 %(v/v) tert-Butanol |
| 11 | CS1 25 | 16 | 85,1 | 14,9 | 0 | 1,71 | 0.4 M Ammonium phosphate |
| 12 | CS1 3 | 14,3 | 100 | 0 | 0 | 1,08 | 0.2 M Magnesium chloride 0.1 M TRIS pH 8.5  3.4 M 1,6-Hexanediol |
| 13 | CS1 51 | 14,3 | 100 | 0 | 0 | 7,41 | 35 %(v/v) Dioxane |
| 14 | CS1 61 | 14,5 | 98,8 | 1,2 | 0 | 1,15 | 0.2 M Magnesium formate |
| 15 | CS1 18 | 14,3 | 100 | 0 | 0 | 1,17 | 0.2 M Magnesium acetate 0.1 M Sodium cacodylate pH 6.5  30 %(v/v) MPD |
| 16 | CS1 20 | 17,1 | 74 | 25,9 | 0,1 | 1,73 | 0.5 M Ammonium sulfate 0.1 M HEPES pH 7.5  30 %(v/v) MPD |
| 17 | CS1 24 | 17,6 | 66,4 | 33,5 | 0,1 | 3,06 | 0.1 M *tri*-Sodium citrate pH 5.6  35 %(v/v) tert-Butanol |
| 18 | CS1 9 | 18 | 60,6 | 39,3 | 0,1 | 3,76 | 0.2 M *tri*-Sodium citrate 0.1 M Sodium cacodylate pH 6.5  30 %(v/v) Isopropanol |
| 19 | CS2 13 | 14,3 | 99,9 | 0 | 0,1 | 1,35 | 0.3 Magnesium formate  0.1 M Bis-Tris pH 5.5 |
| 20 | CS1 56 | 17,5 | 78,6 | 20,8 | 0,6 | 1,14 | 0.1 M HEPES pH 7.5  20 %(v/v) Jeffamine M-600 |
| 21 | CS1 35 | 17,1 | 85,2 | 14,2 | 0,6 | 1,18 | 1.0 M Imidazole pH 7. |
| 22 | CS1 6 | 16 | 95,5 | 3,9 | 0,6 | 1,08 | 0.2 M Calcium chloride  0.1 M Sodium acetate pH 4.6  20 %(v/v) Isopropanol |
| 23 | CS1 8 | 18,1 | 69,7 | 29,6 | 0,7 | 1,76 | 0.2 M tri-Sodium citrate 0.1 M HEPES sodium salt pH 7.5  20 %(v/v) Isopropanol |