



Psychotropic Medication 1

Value Data Sheet 4052 CON P PS1

Controls for LC-MS/MS Assay

REF 4052 CON P PS1

LOT 25F22/C

 2025/04

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Intended use:

The intended use of this product is verifying the PS1 assay. These lyophilized PS1 controls are prepared from humane serum. Stabilizers are added to stabilize the analytes for accurate verification of the PS1 procedure.

After reconstitution these lyophilized controls should be treated as a patient sample.

Reconstitution:

Add exactly 500 µl of deionized water to the vial and let stand for 15 minutes.

Swirl the vial carefully and mix thoroughly. Let the vial stand for another 15 minutes and swirl one last time. Use the solution as a patient sample when all material is dissolved.

Storage and Stability

This product will be stable until the expiration date when stored unopened at 2 - 8 °C.

After reconstitution the stability of the analytes is: 1 month at -20 °C

The stated stabilities are only valid in case of no bacterial contamination.

Avoid repeated freezing and thawing.

Caution:

The serum used for manufacturing the controls has been tested and found free from infectious and contagious diseases. Nevertheless, the controls should be considered as potentially infectious and treated with appropriate care.

Pack size:

PS1 Control Set

3 x 3 x 500 µl, Control I - III




Important Notes:

This is a preliminary Value Data Sheet not intended for use on actual patient material. No rights or claims can be arrived from the contents of this document.

The concentrations of the analytes are chosen in ranges where valid results can be obtained.

The variation of the filling volume (CV) is < 1 %.

Concentrations:

| 4052 CON P PS1 |  25F22/08 2025/04 | |  25F22/09 2025/04 | |  25F22/10 2025/04 | |
|-----------------------|---|-----------------|---|-----------------|---|-----------------|
| | Control I 4061 P PS1 | | Control II 4062 P PS1 | | Control III 4063 P PS1 | |
| Analyte | Mean (µg/l) | Range (µg/l) | Mean (µg/l) | Range (µg/l) | Mean (µg/l) | Range (µg/l) |
| Amitriptyline | 21 | 16 - 26 | 87 | 65 - 109 | 255 | 191 - 319 |
| Imipramine | 34 | 26 - 42 | 141 | 106 - 176 | 271 | 203 - 339 |
| Norclozapine | 77 | 58 - 96 | 146 | 110 - 182 | 276 | 207 - 345 |
| Clozapine | 103 | 77 - 129 | 332 | 249 - 415 | 688 | 516 - 860 |
| Nortriptyline | 24 | 18 - 30 | 61 | 46 - 76 | 194 | 146 - 242 |
| Norclomipramine | 32 | 24 - 40 | 75 | 57 - 94 | 304 | 228 - 380 |
| Clomipramine | 26 | 20 - 32 | 69 | 52 - 86 | 269 | 202 - 336 |
| Desipramine | 47 | 35 - 59 | 154 | 115 - 193 | 301 | 226 - 376 |
| Zuclopenthixol | 10 | 7.4 - 12.4 | 25 | 19 - 31 | 35 | 26 - 44 |
| E-10-OH-Nortriptyline | 38 | 29 - 47 | 70 | 52 - 88 | 192 | 144 - 240 |
| Z-10-OH-Nortriptyline | 17 | 13 - 21 | 38 | 28 - 47 | 68 | 51 - 85 |