



Immunosuppressants

Value Data Sheet 4182 CON P IMM

Controls for LC-MS/MS Assay

REF 4182 CON P IMM

LOT 14H21/C

 2022/12

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Intended use:

The intended use of this product is verifying the Immunosuppressants assay. These lyophilized Immunosuppressant Medication controls are prepared from humane whole blood. Stabilizers are added to stabilize the analytes for accurate verification of the Immunosuppressants 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: 3 weeks at -20 °C

The stated stabilities are only valid in case of no bacterial contamination. Avoid repeated freezing and thawing.

Caution:

The whole blood 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:

Immunosuppressants Control Set
3 x 3 x 500 µl, Control I - III

Notes:

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:

4082 CON P IMM		14H21/07 2022/12		14H21/08 2022/12		14H21/11 2022/12	
		Control I 4193 P IMM		Control II 4194 P IMM		Control III 4195 P IMM	
Analyte	Mean (µg/l)	Range (µg/l)	Mean (µg/l)	Range (µg/l)	Mean (µg/l)	Range (µg/l)	
Sirolimus	3.31	2.48 - 4.14	15.3	11.5 - 19.1	36.3	27.2 - 45.4	
Cyclosporin A	39	29 - 49	305	229 - 381	1078	809 - 1347	
Tacrolimus	2.78	2.09 - 3.47	13.0	9.75 - 16.25	27.5	20.6 - 34.4	
Everolimus	2.84	2.13 - 3.55	14.5	10.88 - 18.12	32.1	24.1 - 40.1	