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Supplementary tables:

Table 1: nutrition solution number one (S1)

	NO_3	PO_4	SO_4	Cl	total
K	1.2	0.3 0.2	0.25	-	1.95
Na	-	-	-	0.1	0.1
Ca	1.5	-	-	-	1.5
Mg	-	-	0.75	-	0.75
NH_4	-	-	-	-	-
H	-	0.6 0.1	-	-	0.7
total	2.7	1.2	1	0.1	5

Table 2 : nutrition solution number two (S2)

	NO_3	PO_4	SO_4	Cl	total
K	3.65	0.8 0.6	-	-	5.05
Na	-	-	-	0.2	0.2
Ca	3	-	-	-	3
Mg	-	-	1.5	-	1.5
NH_4	0.35		-	-	0.35
H	-	1.6 0.3	-	-	1.9
total	7	3.3	1.5	0.2	12

Table 3: nutrition solution number three (S3)

	NO_3	PO_4	SO_4	Cl	total
K	3.35	0.8 0.6	-	-	4.84
Na		-	-	0.2	0.2
Ca	3	-	-	-	3
Mg	-	-	1.5	-	1.5
NH_4	0.65	-	-	-	0.65
H	-	1.6 0.3	-	-	1.9
total	7	3.3	1.5	0.2	12

Table 4. nutrition solution number four (S4)

	NO_3	PO_4	SO_4	Cl	total
K	3.23	0.8 0.6	-	-	4.62
Na		-	-	0.2	0.2
Ca	3	-	-	-	3
Mg	-	-	1.5	-	1.5
NH_4	0.77	-	-	-	0.77
H	-	1.6 0.3	-	-	1.9
total	7	3.3	1.5	0.2	12

Table 5. nutrition solution number five (S5)

	NO_3	PO_4	SO_4	Cl	collecting
K	2.9	0.8 0.6	-	-	3.4
Na	-	-	-	0.2	0.2
Ca	3	-	-	-	3
Mg	-	-	1.5	-	1.5
NH_4	1.1	-	-	-	1.1
H	-	1.6 0.3	-	-	1.9
total	7	3.3	1.5	0.2	12

Table 6. micro elements

micro elements	mg/lit
$(NH_4)_6MO_7O_{24}$,$4H_2O$	0.05
HBO_3	1.5
$MnSO_4$, $4H_2O$	2
$CuSO_4$,$5H_2O$	0.25
$ZnSO_4$,$7H_2O$	1
Fe(Sequestrone138)	10