

Please note that the following document is NOT a new Therapeutic Products Directorate guideline. Hard copies of this guideline are no longer available. For the convenience of clients and stakeholders we are making this guideline available electronically.



**REPORT
ON
SI CONVERSION
IN
PARENTERAL THERAPY AND NUTRITION**

Published by authority of the Minister
of National Health and Welfare

Health and Welfare Canada
November 1989

Disclaimer

The material herein was prepared under the direction of the Therapeutic Products Programme, Health Canada. No changes are permitted.

Avertissement

Le document ci-joint a été préparé sous la direction du Programme des produits thérapeutiques, Santé Canada. Aucune modification n'est permise.

This report was prepared by the Drugs Directorate, Health Protection Branch.

Data included in this report are taken from the Report by the Working Group on Système International (SI) Conversion in Parenteral Therapy and Nutrition chaired by Dr. F. Schubert (pharmacist), and from the unpublished Ontario Ministry of Health report The Canadian Handbook on SI Conversion in Pharmacy - Large Volume Parenterals, prepared with the assistance of Dr. M.J. McQueen.

The cooperation from the manufacturers involved in the production of the related products was also of valuable assistance.

©Minister of Supply and Services Canada
1990
Catalogue No. H42-2/16-1989
ISBN 0-662-57202-5-IN

TABLE OF CONTENTS

	Page
1. GENERAL COMMENTS	1
2. THE SUBCOMMITTEE ON SI CONVERSION	1
3. RATIONALE FOR CONVERSION TO SI	2
4. SI UNITS IN HEALTH CARE	3
4.1 Parenterals Considered for Conversion	4
4.2 Exemptions from Conversion	4
5. DEFINITIONS	5
6. REFERENCES	8
Appendix A. COMMON SOLUTION EQUIVALENTS	10

1. GENERAL COMMENTS

This technical report is published by the Drugs Directorate of the Health Protection Branch. It is designed to be used for technical assistance in the conversion of parenteral solutions from existing units into SI units. This report assists the conversion process by providing valuable reference standards to facilitate the conversion.

The report summarizes the outcome of the Working Group on SI Conversion in Parenteral Therapy and Nutrition, incorporates many comments and suggestions received in response to their original report, and as well contains excerpts from the Ontario Ministry of Health's unpublished report: *The Canadian Handbook in SI Conversion in Pharmacy - Large Volume Parenterals*, prepared in part by Dr. M.J. McQueen.

2. THE SUBCOMMITTEE ON SI CONVERSION

In June 1986, the Subcommittee on SI Conversion in the Health Field, chaired by Dr. M. Chamberlain, established a working group on conversion to Système International (SI) units in parenteral therapy and nutrition. The general responsibility of the Working Group was to investigate and make recommendations on the feasibility and implementation of SI Conversion.

This group was composed of representatives of:

- the Canadian Hospital Association,
- the Pharmaceutical Manufacturers Association of Canada,
- the Canadian Nurses Association,
- the Canadian Dietetics Association,
- the Health Protection Branch and Intergovernmental/International Affairs Branch of Health and Welfare Canada.

The members of the Working Group and the members of the Subcommittee on SI Conversion are listed in the *Report of the Working Group in Parenteral Therapy and Nutrition*, published in August 1987.

3. RATIONALE FOR CONVERSION TO SI

The following are some of the general reasons for converting to SI units:

- SI is more simplified and systematic with only seven base units. This simplifies instruction and educational programs.
- The exclusive use of SI will help promote international uniformity as ninety-eight percent of the countries around the world presently use SI.
- The European Economic Community will soon no longer accept non-SI product, and many health care journals presently or in the near future will accept only SI units in articles. This is presently the case for *The Canadian Medical Association Journal*, and *The Journal of the American, Medical Association*.
- It is well recognized that numerical conversion can lead to mathematical and transcription errors, therefore the use of one measurement system, SI, rather than a variety of systems is safer and more efficient.
- Since medical laboratories have converted to SI, conversion in Pharmacy would enhance patient safety during diagnosis and treatment.
- The results of the laboratory tests for patients on long-term IV therapy are reported in SI units. Compatibility of both disciplines is of value to the patient and the physician.

4. SI UNITS IN HEALTH CARE

This section contains a list of some of the common units found in health care. It represents the measures which have had, or will have, a direct or indirect impact on pharmacy. SI conversion has already taken place for mass, length, temperature, and volume units.

MEASUREMENT	SI UNIT(S)	SYMBOL	OLD UNITS	APPLICATIONS
energy	Joule kilojoule	J kJ	calorie kilocalorie	therapeutic diets, controlled-energy diet, metabolic energy, food energy, kinetic energy
mass	gram kilogram milligram milligram	g kg mg mg	dry ounce pound drachm grain	body mass, pharmaceutical product
length	metre centimetre millimetre micrometre	m cm mm μm	yard foot inch	size of bacteria, body linear measurement, visual acuity
concentration	mole per litre	mol/L	milligram percent milliequivalent per litre	composition of per body fluid
temperature	degree Celsius	$^{\circ}\text{C}$	$^{\circ}\text{F}$ or degree Fahrenheit	body temperature, clinical thermometer
volume	litre	L	quart pint	blood, oral dosage, baby formula, laboratory medicine standard
pressure	Pascal kilopascal	Pa kPa	dynes per square centimetre inches of water, millimetres of mercury, torr, at- mosphere	audiology pressure, intraocular pressure, cerebro-spinal pressure

4.1 Parenterals Considered for Conversion

The specific forms of solutions considered for conversion by the Working Group are:

- a) LVPs, consisting of:
 - carbohydrate solutions,
 - osmotic diuretic solutions,
 - electrolyte solutions,
 - irrigation solutions,
 - plasma volume expanders,
 - mixed carbohydrate and electrolyte solutions, and
 - peritoneal dialysis solutions.

- b) SVPs, consisting of:
 - electrolyte solutions (such as sodium, potassium, magnesium),
 - trace element solutions (such as zinc, chromium, copper, manganese, selenium, molybdenum, iodine), to be added to LVPs,
 - buffers and electrolyte-containing carrier solutions for drugs, and
 - trace elements used in TPN.

- c) TPN solutions, consisting of:
 - amino acid solutions.

4.2 Exemptions from Conversion

The following exemptions from conversion are recommended by the Working Group:

- **amino acid solutions** are to continue to be measured in mass units per litre for total amino acid content,
- **fat emulsions** are to continue to be measured in mass per volume units,
- **acidity/alkalinity** to be measured in pH, which is the negative logarithm of the hydrogen ion concentration,
- **drugs** as defined in the Food and Drugs Act, but excluding solutions listed above in a), b) and c) of 4.1.

The conversion of amino acid concentrations and fat emulsions presents special problems. Amino acid solutions are mixtures that differ in composition with the formulation of each manufacturer. The concentration of individual amino acids can be expressed in molar terms, but the sum of the molar concentrations of each amino acid in a mixture has no relevance or meaning. Therefore, the total amino acid content should be expressed in mass units per litre. The concentration for fat emulsions must be expressed in mass units because the precise composition is indeterminate, and consequently the conversion to molar units is not possible.

5. DEFINITIONS

Many of the important terms used in this report are defined below:

- a) **drug:** includes any substance or mixture of substances manufactured, sold or represented for use in:
 - (i) the diagnosis, treatment, mitigation or prevention of a disease, disorder, abnormal physical state, or the symptoms thereof, in man or animal,
 - (ii) restoring, correcting or modifying organic functions in man or animal, or
 - (iii) disinfection in premises in which food is manufactured, prepared or kept.
- b) **large-volume parenteral (LVP):** a parenteral solution available in quantities of 100 mL or greater.
- c) **small-volume parenteral (SVP):** a solution of electrolytes that are to be added to LVPs.
- d) **total parenteral nutrition (TPN):** the intravenous administration of the total nutrient required by a patient.
- e) **irrigation solutions:** sterile solution to be used for haemodialysis, in artificial kidney dialysis, irrigation of body cavities, and intraperitoneal dialysis.
- f) **SI units:** measurement units of the Système International.

SI is a decimal-based system of weights, measures and physical quantities. There are seven base units in SI. They are listed in the table below*:

Quantity	Unit Name	Symbol
length	metre	m
mass	kilogram	kg
time	second	s
electric current	ampere	A
thermodynamic temperature	kelvin	K
amount of substance	mole	mol
luminous intensity	candela	cd

For everyday applications, the degree Celsius (°C) is used rather than the kelvin.

Multiples and submultiples of base units are expressed by adding one of the prefixes from the following table directly to the unit name*.

exa	E	1 000 000 000 000 000 000	10 ¹⁸
peta	P	1 000 000 000 000 000	10 ¹⁵
tera	T	1 000 000 000 000	10 ¹²
giga	G	1 000 000 000	10 ⁹
mega	M	1 000 000	10 ⁶
kilo	k	1 000	10 ³
hecto	h	100	10 ²
deca	da	10	10 ¹
deci	d	0.1	10 ⁻¹
centi	c	0.01	10 ⁻²
milli	m	0.001	10 ⁻³
micro	μ	0.000 001	10 ⁻⁶
nano	n	0.000 000 001	10 ⁻⁹
pico	p	0.000 000 000 001	10 ⁻¹²
femto	f	0.000 000 000 000 001	10 ⁻¹⁵
atto	a	0.000 000 000 000 000 001	10 ⁻¹⁸

*

This information is taken from *The Canadian Style - A Guide to Writing and Editing*, by the Secretary of State of Canada, Published by Dundurn Press Limited in co-operation with the Department of the Secretary of State and the Canadian Publishing Centre, Supply and Services Canada, Toronto and London, 1985

- g) **expression of concentration:** the general expression of concentration of a solution (in moles/litre), and the total amount of dissolved substance in the container volume (general expression x litres of solvent in the container).
- h) **mole:** the amount of chemical compound whose mass in grams is equivalent to its formula mass.
- i) **mol/L:** standard unit for drug concentration in moles per litre. For example, the concentration of a solution is expressed as the amount of a substance, (in moles or subunits of moles), per litre of solution.
- j) **soft conversion:** replacement of the imperial measure by the exact SI measure. The concentration of the solution is not changed.
- k) **hard conversion:** adjustment of concentration to convenient rounded SI standard measurement. The solution concentrations may change.
- l) **D-glucose:** dextrose. The preferred use of either term, dextrose or glucose, is not considered to be central to SI conversion in parenteral therapy and nutrition. The term D-glucose is used in this report rather than dextrose. D-glucose is a more precise term that avoids possibly confusing duplication of terminology.

6. REFERENCES

Report of the Working Group on SI Conversion in Parenteral Therapy and Nutrition, published by Intergovernmental and International Affairs Branch, Health and Welfare Canada. Working Group Chairman - F. Schubert (pharmacist), Royal Victoria Hospital, Montreal.

The Canadian Handbook on SI Conversion in Pharmacy - Large Volume Parenterals, Ontario Ministry of Health unpublished report prepared with the assistance of Dr. M.J. McQueen.

The Canadian Style - A Guide to Writing and Editing by the Secretary of State of Canada published by Dundurn Press Limited in co-operation with the Department of the Secretary of State and the Canadian Government Publishing Centre, Supply and Services Canada, Toronto and London, 1985.

APPENDIX A

Appendix A

TABLES CONTAINING COMMON SOLUTION EQUIVALENTS

These tables list suggestions designed to assist in the conversion of most LVPs and TPNs currently marketed. SVPs have not been included in these tables although the conversion of SVPs is encouraged.

Notes Relating to the Use and Interpretation of These Tables

- Hard conversion values cited on these tables are suggestions for conversion. These values have been developed to be within normal physio-chemical ranges but have been rounded up or down to minimize use of decimals and to facilitate volume conversion.
- Calculations for glucose should be based on the anhydrous form of glucose (relative molecular mass 180.16), although some manufacturers use the monohydrate form (relative molecular mass 198.17) and this has been recognized in the following tables.
- The relative atomic mass (A_r) or the relative molecular mass (M_r) of each element of each component is listed. Each has been reported to the second decimal place. Each relative mass quoted is based on the atomic weight given in the Merck Index, Tenth Edition, 1983. These, in turn, are based on the 1979 IUPAC atomic weights of the elements.
- The "physiological" concentration of sodium chloride selected was 150 mmol/L. No overwhelming argument could be raised against continuing with 154 mmol/L or increasing this solution concentration to 160 mmol/L. The use of 150 mmol/L did provide better numbers for submultiples of the litre. Although the physiological arguments were not overwhelming, it was decided on balance that since 160 mmol/L is hyperosmolar and intravenous sodium loads are poorly excreted, it would be better to select the 150 mmol/L sodium chloride solution and give more water rather than more electrolytes.
- The numbers for the soft conversion values have been kept with more than one decimal place. As a result, the soft conversion results imply an unwarranted degree of accuracy and precision in the formulation and preparation of solutions. Rounding-off has been done in the hard conversion column to reflect more clearly the real accuracy of the numbers.

- For electrolytes and divalent cations of less than 10 mmol, the volumes are reported to two significant figures in the hard conversion column as more precise units are recommended.
- When converting amino acids in the hard conversion column, the following methods were used. If the concentration is 10 mmol/L or greater, then rounding off is to the nearest whole number. If the concentration is between 5 mmol/L and 9 mmol/L, then rounding off is to the nearest 0.5 mmol/L. If the concentration is below 5 mmol/L, then rounding off is to the nearest 0.1 mmol/L.
- The amino acids have been listed in alphabetical order.
- Available energy: where dextrose solutions are being converted, it would be expected that one mole of glucose would be metabolized to provide approximately 3017 kJ (720 kcal) of free energy. However, the body uses approximately 146 kJ (35 kcal) of energy for the complete oxidation of 1 mole of glucose. This leaves 2870 kJ (686 kcal) of energy available to be utilized by the patient. The energy used for the complete oxidation of each mole of glucose is not lost to the body, but does make a contribution to the maintenance of the body temperature.
- All energy calculations are expressed to the nearest 10 kJ/L. Submultiples of the litre have also been converted to the nearest 10 kJ/L.

COMPONENTS	RELATIVE ATOMIC OR MOLECULAR MASS	COMPONENTS	RELATIVE ATOMIC OR MOLECULAR MASS
Alanine	89.09	Mannitol	182.17
Aminoacetic Acid (Glycine)	75.07	Methionine	149.21
Arginine	174.20	Nitrogen	14.01
Aspartic Acid	133.10	Phenylalanine	165.19
Calcium Chloride, Dihydrate	147.02	Potassium Acetate	98.14
Citric Acid, Monohydrate	210.14	Potassium Chloride	74.55
Cysteine	121.16	Potassium Phosphate, monobasic	136.09
Cysteine Hydrochloride	157.61	Proline	115.13
Cystine	240.30	Serine	105.09
Fructose	180.16	Sodium Acetate, anhydrous	82.04
Glucose, anhydrous	180.16	Sodium Acetate, trihydrate	136.09
Glucose, monohydrate	198.17	Sodium Carbonate, anhydrous	105.99
Glutamic Acid	147.13	Sodium Chloride	58.44
Glycine (Aminoacetic acid)	75.07	Sodium Gluconate	218.13
Histidine	155.16	Sodium Lactate	112.07
Isoleucine	131.17	Sodium Metabisulphite	190.13
Leucine	131.17	Sorbitol	182.17
Lidocaine Hydrochloride	270.79	Threonine	119.12
Lysine	146.19	Tryptophan	204.22
Lysine Hydrochloride	182.65	Tyrosine	181.19
Magnesium Acetate	142.40	Valine	117.15
Magnesium Acetate, tetrahydrate	214.46		
Magnesium Chloride, anhydrous	95.23		
Magnesium Chloride, hexahydrate	203.32		
Magnesium Oxide	40.32		

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
Amino Acid Solutions			
1000 mL	Aminosyn 5% without added electrolytes	Amino acid solution without added electrolytes	Amino acid solution without added electrolytes
		Amino acid	Amino acid
		Total nitrogen	Total nitrogen
		Potassium	Potassium
		Acetate	Acetate
		Alanine	Alanine
		Arginine	Arginine
		Glycine	Glycine
		Histidine	Histidine
		Isoleucine	Isoleucine
		Leucine	Leucine
		Lysine (as acetate)	Lysine (as acetate)
		Methionine	Methionine
		Phenylalanine	Phenylalanine
		Proline	Proline
		Serine	Serine
		Threonine	Threonine
		Tryptophan	Tryptophan
		Tyrosine	Tyrosine
		Valine	Valine
500 mL	Aminosyn 7% without added electrolytes	No available energy from carbohydrate or fat	
		Amino acid solution without added electrolytes	Amino acid solution without added electrolytes
		Amino acid	Amino acid
		Total nitrogen	Total nitrogen
		Potassium	Potassium
		Acetate	Acetate
		Alanine	Alanine
		Arginine	Arginine
		Glycine	Glycine
		Histidine	Histidine
		Isoleucine	Isoleucine
		Leucine	Leucine
		Lysine (as acetate)	Lysine (as acetate)
		Methionine	Methionine
		Phenylalanine	Phenylalanine
		Proline	Proline
		Serine	Serine
		Threonine	Threonine

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
500 mL	Aminosyn 7% without added electrolytes (cont'd)	Amino acid solution without added electrolytes Tryptophan 5.88 mmol/L 2.94 mmol/500 mL Tyrosine 2.43 mmol/L 1.215 mmol/500 mL Valine 47.8 mmol/L 23.9 mmol/500 mL No available energy from carbohydrate or fat	Amino acid solution without added electrolytes Tryptophan 6 mmol/L 3 mmol/500 mL Tyrosine 2.4 mmol/L 1.2 mmol/500 mL Valine 48 mmol/L 24 mmol/500 mL
1000 mL 500 mL	Aminosyn 8.5% with added electrolytes	Amino acid solution with electrolytes Amino acid 85 g/L 42.5 g/500 mL Total nitrogen 956.46 mmol/L 478.23 mmol/500 mL Sodium 70 mmol/L 35 mmol/500 mL Potassium 65 mmol/L 32.5 mmol/500 mL Chloride 98 mmol/L 49 mmol/500 mL Acetate 142 mmol/L 71 mmol/500 mL Phosphate 30 mmol/L 15 mmol/500 mL Magnesium 5 mmol/L 2.5 mmol/500 mL Alanine 123.47 mmol/L 61.735 mmol/500 mL Arginine 48.79 mmol/L 24.395 mmol/500 mL Glycine 146.53 mmol/L 73.265 mmol/500 mL Histidine 16.76 mmol/L 8.39 mmol/500 mL Isoleucine 47.27 mmol/L 23.635 mmol/500 mL Leucine 61.75 mmol/L 30.875 mmol/500 mL Lysine (as acetate) 42.68 mmol/L 21.34 mmol/500 mL Methionine 22.79 mmol/L 11.395 mmol/500 mL Phenylalanine 23.00 mmol/L 11.50 mmol/500 mL Proline 65.14 mmol/L 32.57 mmol/500 mL Serine 35.21 mmol/L 17.605 mmol/500 mL Threonine 38.62 mmol/L 19.31 mmol/500 mL Tryptophan 7.34 mmol/L 3.67 mmol/500 mL Tyrosine 2.43 mmol/L 1.125 mmol/500 mL Valine 58.04 mmol/L 29.02 mmol/500 mL No available energy from carbohydrate or fat	Amino acid solution with electrolytes Amino acid 85 g/L 42.5 g/500 mL Total nitrogen 960 mmol/L 480 mmol/500 mL Sodium 70 mmol/L 35 mmol/500 mL Potassium 65 mmol/L 33 mmol/500 mL Chloride 98 mmol/L 49 mmol/500 mL Acetate 142 mmol/L 71 mmol/500 mL Phosphate 30 mmol/L 15 mmol/500 mL Magnesium 5 mmol/L 2.5 mmol/500 mL Alanine 123 mmol/L 62 mmol/500 mL Arginine 49 mmol/L 25 mmol/500 mL Glycine 147 mmol/L 73 mmol/500 mL Histidine 17 mmol/L 8.5 mmol/500 mL Isoleucine 47 mmol/L 24 mmol/500 mL Leucine 62 mmol/L 31 mmol/500 mL Lysine (as acetate) 42 mmol/L 21 mmol/500 mL Methionine 23 mmol/L 11 mmol/500 mL Phenylalanine 23 mmol/L 12 mmol/500 mL Proline 65 mmol/L 33 mmol/500 mL Serine 35 mmol/L 18 mmol/500 mL Threonine 39 mmol/L 19 mmol/500 mL Tryptophan 7.4 mmol/L 3.7 mmol/500 mL Tyrosine 2.4 mmol/L 1.2 mmol/500 mL Valine 58 mmol/L 29 mmol/500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL 500 mL	Aminosyn 8.5% without added electrolytes	Amino acid solution without added electrolytes Amino acid 85 g/L 42.5 g/500 mL Total nitrogen 956.46 mmol/L 478.23 mmol/500 mL Potassium 5.4 mmol/L 2.7 mmol/500 mL Chloride 35 mmol/L 17.5 mmol/500 mL Acetate 90 mmol/L 45 mmol/500 mL (Concentrations of amino acids are the same as for the immediately preceding solution) No available energy from carbohydrate or fat	Amino acid solution without added electrolytes Amino acid 85 g/L 42.5 g/500 mL Total nitrogen 960 mmol/L 480 mmol/500 mL Potassium 5 mmol/L 2.5 mmol/500 mL Chloride 35 mmol/L 18 mmol/500 mL Acetate 90 mmol/L 45 mmol/500 mL
500 mL	Aminosyn 10% without added electrolytes	Amino acid solution without added electrolytes Amino acid 100 g/L 50 g/500 mL Total nitrogen 1120.63 mmol/L 560.315 mmol/500 mL Potassium 5.4 mmol/L 2.7 mmol/500 mL Acetate 148 mmol/L 74 mmol/500 mL Alanine 143.67 mmol/L 71.835 mmol/500 mL Arginine 56.26 mmol/L 28.13 mmol/500 mL Glycine 170.51 mmol/L 85.255 mmol/500 mL Histidine 19.33 mmol/L 9.665 mmol/500 mL Isoleucine 54.89 mmol/L 27.495 mmol/500 mL Leucine 71.66 mmol/L 35.83 mmol/500 mL Lysine (as acetate) 49.46 mmol/L 24.73 mmol/500 mL Methionine 26.81 mmol/L 13.405 mmol/500 mL Phenylalanine 26.64 mmol/L 13.32 mmol/500 mL Proline 74.70 mmol/L 37.35 mmol/500 mL Serine 39.97 mmol/L 19.985 mmol/500 mL Threonine 43.65 mmol/L 21.825 mmol/500 mL Tryptophan 7.84 mmol/L 3.92 mmol/500 mL Tyrosine 2.43 mmol/L 1.215 mmol/500 mL Valine 68.29 mmol/L 34.15 mmol/500 mL No available energy from carbohydrate or fat	Amino acid without added electrolytes Amino acid 100 g/L 50 g/500 mL Total nitrogen 1120 mmol/L 560 mmol/500 mL Potassium 5.4 mmol/L 2.7 mmol/500 mL Acetate 148 mmol/L 74 mmol/500 mL Alanine 144 mmol/L 72 mmol/500 mL Arginine 56 mmol/L 28 mmol/500 mL Glycine 171 mmol/L 85 mmol/500 mL Histidine 19 mmol/L 10 mmol/500 mL Isoleucine 55 mmol/L 27 mmol/500 mL Leucine 72 mmol/L 36 mmol/500 mL Lysine (as acetate) 50 mmol/L 25 mmol/500 mL Methionine 27 mmol/L 13 mmol/500 mL Phenylalanine 27 mmol/L 13 mmol/500 mL Proline 75 mmol/L 37 mmol/500 mL Serine 40 mmol/L 20 mmol/500 mL Threonine 44 mmol/L 22 mmol/500 mL Tryptophan 7.8 mmol/L 3.9 mmol/500 mL Tyrosine 2.4 mmol/L 1.2 mmol/500 mL Valine 68 mmol/L 34 mmol/500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION			
750 mL	Freamine HBC 6.9%	Amino acid solution without added electrolytes		Amino acid solution without added electrolytes			
		Amino acid	69 g/L 51.75 g/750 mL	Amino acid	69 g/L 52 g/750 mL		
		Total nitrogen	694.5 mmol/L 520.88 mmol/750 mL	Total nitrogen	690 mmol/L 520 mmol/750 mL		
		Sodium	10 mmol/L 7.5 mmol/750 mL	Sodium	10 mmol/L 7.5 mmol/750 mL		
		Chloride	<3 mmol/L <2.25 mmol/750 mL	Chloride	<3 mmol/L <2.3 mmol/750 mL		
		Acetate	57 mmol/L 42.75 mmol/750 mL	Acetate	57 mmol/L 43 mmol/750 mL		
		Alanine	44.90 mmol/L 33.67 mmol/750 mL	Alanine	45 mmol/L 34 mmol/750 mL		
		Arginine	33,30 mmol/L 24.97 mmol/750 mL	Arginine	33 mmol/L 25 mmol/750 mL		
		Cysteine	<11.27 mmol/L <0.95 mmol/750 mL	Cysteine	<1.3 mmol/L <1 mmol/750 mL		
		Glycine	43.96 mmol/L 32.97 mmol/750 mL	Glycine	44 mmol/L 33 mmol/750 mL		
		Histidine	10.31 mmol/L 7.73 mmol/750 mL	Histidine	10 mmol/L 8 mmol/750 mL		
		Isoleucine	57.94 mmol/L 43.46 mmol/750 mL	Isoleucine	58 mmol/L 43 mmol/750 mL		
		Leucine	104.44 mmol/L 78.33 mmol/750 mL	Leucine	104 mmol/L 78 mmol/750 mL		
		Lysine	22.44 mmol/L 16.84 mmol/750 mL	Lysine	22 mmol/L 17 mmol/750 mL		
		Methionine	16.75 mmol/L 12.57 mmol/750 mL	Methionine	17 mmol/L 13 mmol/750 mL		
		Phenylalanine	19.37 mmol/L 14.53 mmol/750 mL	Phenylalanine	19 mmol/L 15 mmol/750 mL		
		Proline	13.90 mmol/L 10.43 mmol/750 mL	Proline	14 mmol/L 10 mmol/750 mL		
		Serine	31.4 mmol/L 23,55 mmol/750 mL	Serine	31 mmol/L 24 mmol/750 mL		
		Threonine	16.79 mmol/L 12.57 mmol/750 mL	Threonine	17 mmol/L 13 mmol/750 mL		
		Tryptophan	4.41 mmol/L Tryptophan 3.31 mmol/750 mL	4 mmol/L Tryptophan 3 mmol/750 mL	4 mmol/L 3 mmol/750 mL		
		Valine	75.12 mmol/L 56.34 mmol/750 mL	Valine	75 mmol/L 56 mmol/750 mL		
		500 mL	Freamine III 8.5%	No available energy from carbohydrate or fat		Amino acid solution without added electrolytes	
				Amino acid solution without added electrolytes		Amino acid solution without added electrolytes	
Amino acid	85 g/L 42.5 g/500 mL			Amino acid	85 g/L 42.5 g/500 mL		
Total nitrogen	927.91 mmol/L 463.955 mmol/500 mL			Total nitrogen	930 mmol/L 465 mmol/500 mL		
Sodium	10 mmol/L 5 mmol/500 mL			Sodium	10 mmol/L 5 mmol/500 mL		
Chloride	<3 mmol/L <1.5 mmol/500 mL			Chloride	<3 mmol/L <1.5 mmol/500 mL		
Acetate	72 mmol/L 36 mmol/500 mL			Acetate	72 mmol/L 36 mmol/500 mL		
Phosphate	20 mmol/L 10 mmol/500 mL			Phosphate	20 mmol/L 10 mmol/500 mL		
					...continued		

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION			
500 mL	Freamine III 8.5% (cont'd)	Amino acid solution without added electrolytes		Amino acid solution without added electrolytes			
		Alanine	67.35 mmol/L 33.675 mmol/500 mL	Alanine	67 mmol/L 34 mmol/500 mL		
		Arginine	46.50 mmol/L 23.25 mmol/500 mL	Arginine	47 mmol/L 23 mmol/500 mL		
		Cysteine	<1.27 mmol/L <0.635 mmol/500 mL	Cysteine	<1.3 mmol/L <0.6 mmol/500		
		Glycine	158.52 mmol/L 79.26 mmol/500 mL	Glycine	159 mmol/L 80 mmol/500 mL		
		Histidine	15.47 mmol/L 7.735 mmol/500 mL	Histidine	15 mmol/L 8 mmol/500 mL		
		Isoleucine	44.98 mmol/L 22.49 mmol/500 ml	Isoleucine	45 mmol/L 22 mmol/500 mL		
		Leucine	58.70 mmol/L 29.35 mmol/500 mL	Leucine	59 mmol/L 29 mmol/500 mL		
		Lysine	33.94 mmol/L 16.97 mmol/500 mL	Lysine	34 mmol/L 17 mmol/500 mL		
		Methionine	30.16 mmol/L 15.08 mmol/500 mL	Methionine	30 mmol/L 15 mmol/500 mL		
		Phenylalanine	29.06 mmol/L 14.53 mmol/500 mL	Phenylalanine	29 mmol/L 15 mmol/500 mL		
		Proline	82.52 mmol/L 41.26 mmol/500 mL	Proline	83 mmol/L 41 mmol/500 mL		
		Serine	47.58 mmol/L 23.79 mmol/500 mL	Serine	48 mmol/L 24 mmol/500 mL		
		Threonine	28.54 mmol/L 14.27 mmol/500 mL	Threonine	29 mmol/L 14 mmol/500 mL		
		Tryptophan	5.37 mmol/L 2.685 mmol/500 mL	Tryptophan	5.5 mmol/L 2.7 mmol/500 mL		
		Valine	47.8 mmol/L 23.9 mmol/500 mL	Valine	48 mmol/L 24 mmol/500 mL		
		500 mL	Hepatamine 8%	No available energy from carbohydrate or fat			
				Amino acid solution without added electrolytes		Amino acid solution without added electrolytes	
				Amino acid	80 g/L 40 g/500 mL	Amino acid	80 g/L 40 g/500 mL
				Total nitrogen	856.53 mmol/L 428.265 mmol/500 mL	Total nitrogen	860 mmol/L 430 mmol/500 mL
Sodium	10 mmol/L 5 mmol/500 mL			Sodium	10 mmol/L 5 mmol/500 mL		
Chloride	3 mmol/L 1.5 mmol/500 mL			Chloride	3 mmol/L 1.5 mmol/500 mL		
Acetate	62 mmol/L 31 mmol/500 mL			Acetate	62 mmol/L 31 mmol/500 mL		
Phosphate	10 mmol/L 5 mmol/500 mL			Phosphate	10 mmol/L 5 mmol/500 mL		
Alanine	86.43 mmol/L 43.215 mmol/500 mL			Alanine	86 mmol/L 43 mmol/500 mL		
Arginine	34.44 mmol/L 17.22 mmol/500 mL			Arginine	34 mmol/L 17 mmol/500 mL		
Cysteine	<11.27 mmol/L <0.635 mmol/500 mL			Cysteine	<11.3 mmol/L <0.6 mmol/500 mL		
Glycine	119.89 mmol/L 59.945 mmol/500 mL			Glycine	120 mmol/L 60 mmol/500 mL		
Histidine	15.45 mmol/L 7.735 mmol/500 mL			Histidine	15 mmol/L 8 mmol/500 mL		
Isoleucine	68.61 mmol/L 34.305 mmol/500 mL			Isoleucine	69 mmol/L 34 mmol/500 mL		
					... continued		

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION			
500 mL	Hepamine 8% (cont'd)	Amino acid solution without added electrolytes	Amino acid solution without added electrolytes			
		Leucine	83.86 mmol/L 41.93 mmol/500 mL	Leucine 84 mmol/L 42 mmol/500 mL		
		Lysine	33.40 mmol/L 16.70 mmol/500 mL	Lysine 33 mmol/L 17 mmol/500 mL		
		Methionine	6.7 mmol/L 3.35 mmol/500 mL	Methionine 7 mmol/L 3.5 mmol/500 mL		
		Phenylalanine	6.05 mmol/L 3.025 mmol/500 mL	Phenylalanine 6 mmol/L 3 mmol/500 mL		
		Proline	69.49 mmol/L 34.745 mmol/500 mL	Proline 69 mmol/L 35 mmol/500 mL		
		Serine	47.58 mmol/L 23.79 mmol/500 mL	Serine 48 mmol/L 24 mmol/500 mL		
		Threonine	37.78 mmol/L 18.89 mmol/500 mL	Threonine 38 mmol/L 19 mmol/500 mL		
		Tryptophan	3.23 mmol/L 1.615 mmol/500 mL	Tryptophan 3.2 mmol/L 1.6 mmol/500 mL		
		Valine	7.17 mmol/L 3.585 mmol/500 mL	Valine 7.2 mmol/L 3.6 mmol/500 mL		
		250 mL	Nephramine 5.4%	No available energy from carbohydrate or fat		
				Amino acid solution without added electrolytes	Amino acid solution without added electrolytes	
				Amino acid	54 g/L 13.5 g/250 mL	Amino acid 54 g/L 13,5 g/250 mL
				Total nitrogen	463.95 mmol/L 115.9875 mmol/250 mL	Total nitrogen 460 mmol/L 115 mmol/250 mL
Sodium	6 mmol/L 1.5 mmol/250 mL			Sodium 6 mmol/L 1.5 mmol/250 mL		
Chloride	<3 mmol/L <0.75 mmol/250 mL			Chloride <3 mmol/L <1 mmol/250 mL		
Acetate	44 mmol/L 11 mmol/250 mL			Acetate 44 mmol/L 11 mmol/250 mL		
Cysteine	<11.27 mmol/L <0.3175 mmol/250 mL			Cysteine <1.3 mmol/L <0.3 mmol/250 mL		
Histidine	16.11 mmol/L 4.0275 mmol/250 mL			Histidine 16 mmol/L 4 mmol/250 mL		
Isoleucine	42.69 mmol/L 10.6725 mmol/250 mL			Isoleucine 43 mmol/L 11 mmol/250 mL		
Leucine	67.09 mmol/L 16.775 mmol/250 mL			Leucine 67 mmol/L 17 mmol/250 mL		
Lysine	49.27 mmol/L 12.3175 mmol/250 mL			Lysine 49 mmol/L 12 mmol/250 mL		
Methionine	58.98 mmol/L 14.745 mmol/250 mL			Methionine 59 mmol/L 15 mmol/250 mL		
Phenylalanine	53.27 mmol/L 13.3175 mmol/250 mL			Phenylalanine 53 mmol/L 13 mmol/250 mL		
Threonine	33.58 mmol/L 8.395 mmol/250 mL	Threonine 34 mmol/L 8.5 mmol/250 mL				
Tryptophan	9.79 mmol/L 2.4475 mmol/250 mL	Tryptophan 10 mmol/L 2.5 mmol/250 mL				
Valine	54.63 mmol/L 13.6575 mmol/250 mL	Valine 55 mmol/L 14 mmol/250 mL				
		No available energy from carbohydrate or fat				

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL 500 mL 250 mL	Travasol 5.5% with added electrolytes	Amino acid solution with electrolytes	Amino acid solution with electrolytes
		Amino acid	Amino acid
		Total nitrogen	Total nitrogen
		Sodium	Sodium
		Potassium	Potassium
		Chloride	Chloride
		Acetate	Acetate
		Phosphate	Phosphate
		Magnesium	Magnesium
		Alanine	Alanine
		Arginine	Arginine
		Glycine	Glycine
		Histidine	Histidine
		Isoleucine	Isoleucine
		Leucine	Leucine
		Lysine	Lysine
		Methionine	Methionine
		Phenylalanine	Phenylalanine
		Proline	Proline
		Threonine	Threonine
...contin			
VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION

1000 mL 500 mL 250 mL	Travasol 5.5% with added electrolytes (cont'd)	Amino acid solution with electrolytes	Amino acid solution with electrolytes
		<p>Tryptophan 4.85 mmol/L Tryptophan 2.42 mmol/500 mL 1.21 mmol/250 mL</p> <p>Tyrosine 1.21 mmol/L 0.61 mmol/500 mL 0.30 mmol/250 mL</p> <p>Valine 21.51 mmol/L 10.76 mmol/500 mL 5.38 mmol/250 mL</p> <p>No available energy from carbohydrate or fat</p>	<p>Tryptophan 4.9 mmol/L 2.4 mmol/500 mL 1.2 mmol/250 mL</p> <p>Tyrosine 1.2 mmol/L 0.6 mmol/500 mL 0.3 mmol/250 mL</p> <p>Valine 22 mmol/L 11 mmol/500 mL 5.5 mmol/250 mL</p>
500 mL	Travasol 5.5% without added electrolytes	Amino acid solution without added electrolytes	Amino acid solution without added electrolytes
		<p>Amino acid 55 g/L 27.5 g/500 mL</p> <p>Total nitrogen 659.52 mmol/L 329.76 mmol/500 mL</p> <p>Acetate 48 mmol/L 24 mmol/500 mL</p> <p>Chloride 22 mmol/L 11 mmol/500 mL</p> <p>(All amino acid concentrations same as for the immediately preceding solution) No available energy from carbohydrate or fat</p>	<p>Amino acid 55 g/L 27.5 g/500 mL</p> <p>Total nitrogen 660 mmol/L 330 mmol/500 mL</p> <p>Acetate 48 mmol/L 24 mmol/500 mL</p> <p>Chloride 22 mmol/L 11 mmol/500 mL</p>
1000 mL 500 mL 250 mL	Travasol 8.5% with added electrolytes	Amino acid solution with electrolytes	Amino acid solution with electrolytes
		<p>Amino acid 85 g/L 42.5 g/500 mL 21.25 g/250 mL</p> <p>Total nitrogen 1013.56 mmol/L 506.78 mmol/500 mL 253.39 mmol/250 mL</p> <p>Sodium 70 mmol/L 35 mmol/500 mL 17.5 mmol/250 mL</p> <p>Potassium 60 mmol/L 30 mmol/500 mL 15 mmol/250 mL</p> <p>Chloride 70 mmol/L 35 mmol/500 mL 17.5 mmol/250 mL</p> <p>Acetate 141 mmol/L 70.5 mmol/500 mL 35.25 mmol/250 mL</p> <p>Phosphate 30 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL</p> <p>Magnesium 5 mmol/L 2.5 mmol/500 mL 1.25 mmol/250 mL</p> <p>Alanine 197.55 mmol/L 98.78 mmol/500 mL 49.39 mmol/250 mL</p> <p>Arginine 50.52 mmol/L 25.26 mmol/500 mL 12.63 mmol/250 mL</p>	<p>Amino acid 85 g/L 42.5 g/500 mL 21.3 g/250 mL</p> <p>Total nitrogen 1014 mmol/L 507 mmol/500 mL 253 mmol/250 mL</p> <p>Sodium 70 mmol/L 35 mmol/500 mL 35 mmol/500 mL</p> <p>Potassium 60 mmol/L 30 mmol/500 mL 15 mmol/250 mL</p> <p>Chloride 70 mmol/L 35 mmol/500 mL 18 mmol/250 mL</p> <p>Acetate 140 mmol/L 70 mmol/500 mL 35 mmol/250 mL</p> <p>Phosphate 30 mmol/L 15 mmol/500 mL 8 mmol/250 mL</p> <p>Magnesium 5 mmol/L 2.5 mmol/500 mL 1.3 mmol/250 mL</p> <p>Alanine 198 mmol/L 99 mmol/500 mL 49 mmol/250 mL</p> <p>Arginine 51 mmol/L 25 mmol/500 mL 13 mmol/250 mL</p> <p>... continued</p>

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION																																																
1000 mL 500 mL 250 mL	Travasol 8.5% with added electrolytes (cont'd)	<p>Amino acid solution with electrolytes</p> <table border="0"> <tr> <td>Glycine</td> <td>234.45 mmol/L 117.22 mmol/500 mL 58.61 mmol/250 mL</td> </tr> <tr> <td>Histidine</td> <td>23.935 mmol/L 11.99 mmol/500 mL 5.99 mmol/250 mL</td> </tr> <tr> <td>Isoleucine</td> <td>30.95 mmol/L 15.48 mmol/500 mL 7.74 mmol/250 mL</td> </tr> <tr> <td>Leucine</td> <td>40.10 mmol/L 20.05 mmol/500 mL 10.03 mmol/250 mL</td> </tr> <tr> <td>Lysine</td> <td>26.94 mmol/L 13.47 mmol/500 mL 6.73 mmol/250 mL</td> </tr> <tr> <td>Methionine</td> <td>32.97 mmol/L 16.49 mmol/500 mL 8.24 mmol/250 mL</td> </tr> <tr> <td>Phenylalanine</td> <td>31.84 mmol/L 15.92 mmol/500 mL 7.96 mmol/250 mL</td> </tr> <tr> <td>Proline</td> <td>30.92 mmol/L 15.46 mmol/500 mL 7.73 mmol/250 mL</td> </tr> <tr> <td>Threonine</td> <td>29.89 mmol/L 14.94 mmol/500 mL 7.47 mmol/250 mL</td> </tr> <tr> <td>Tryptophan</td> <td>7.44 mmol/L 3.72 mmol/500 mL 1.86 mmol/250 mL</td> </tr> <tr> <td>Tyrosine</td> <td>1.88 mmol/L 0.94 mmol/500 mL 0.47 mmol/250 mL</td> </tr> <tr> <td>Valine</td> <td>33.29 mmol/L 16.65 mmol/500 mL 8.32 mmol/250 mL</td> </tr> </table>	Glycine	234.45 mmol/L 117.22 mmol/500 mL 58.61 mmol/250 mL	Histidine	23.935 mmol/L 11.99 mmol/500 mL 5.99 mmol/250 mL	Isoleucine	30.95 mmol/L 15.48 mmol/500 mL 7.74 mmol/250 mL	Leucine	40.10 mmol/L 20.05 mmol/500 mL 10.03 mmol/250 mL	Lysine	26.94 mmol/L 13.47 mmol/500 mL 6.73 mmol/250 mL	Methionine	32.97 mmol/L 16.49 mmol/500 mL 8.24 mmol/250 mL	Phenylalanine	31.84 mmol/L 15.92 mmol/500 mL 7.96 mmol/250 mL	Proline	30.92 mmol/L 15.46 mmol/500 mL 7.73 mmol/250 mL	Threonine	29.89 mmol/L 14.94 mmol/500 mL 7.47 mmol/250 mL	Tryptophan	7.44 mmol/L 3.72 mmol/500 mL 1.86 mmol/250 mL	Tyrosine	1.88 mmol/L 0.94 mmol/500 mL 0.47 mmol/250 mL	Valine	33.29 mmol/L 16.65 mmol/500 mL 8.32 mmol/250 mL	<p>Amino acid solution with electrolytes</p> <table border="0"> <tr> <td>Glycine</td> <td>234 mmol/L 117 mmol/500 mL 59 mmol/250 mL</td> </tr> <tr> <td>Histidine</td> <td>24 mmol/L 12 mmol/500 mL 6 mmol/250 mL</td> </tr> <tr> <td>Isoleucine</td> <td>31 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL</td> </tr> <tr> <td>Leucine</td> <td>40 mmol/L 20 mmol/500 mL 10 mmol/250 mL</td> </tr> <tr> <td>Lysine</td> <td>27 mmol/L 13 mmol/500 mL 6.5 mmol/250 mL</td> </tr> <tr> <td>Methionine</td> <td>33 mmol/L 16 mmol/500 mL 8 mmol/250 mL</td> </tr> <tr> <td>Phenylalanine</td> <td>32 mmol/L 16 mmol/500 mL 8 mmol/250 mL</td> </tr> <tr> <td>Proline</td> <td>31 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL</td> </tr> <tr> <td>Threonine</td> <td>30 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL</td> </tr> <tr> <td>Tryptophan</td> <td>7.4 mmol/L 3.7 mmol/500 mL 1.9 mmol/250 mL</td> </tr> <tr> <td>Tyrosine</td> <td>1.9 mmol/L 0.9 mmol/500 mL 0.5 mmol/250 mL</td> </tr> <tr> <td>Valine</td> <td>33 mmol/L 17 mmol/500 mL 8.5 mmol/250 mL</td> </tr> </table>	Glycine	234 mmol/L 117 mmol/500 mL 59 mmol/250 mL	Histidine	24 mmol/L 12 mmol/500 mL 6 mmol/250 mL	Isoleucine	31 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL	Leucine	40 mmol/L 20 mmol/500 mL 10 mmol/250 mL	Lysine	27 mmol/L 13 mmol/500 mL 6.5 mmol/250 mL	Methionine	33 mmol/L 16 mmol/500 mL 8 mmol/250 mL	Phenylalanine	32 mmol/L 16 mmol/500 mL 8 mmol/250 mL	Proline	31 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL	Threonine	30 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL	Tryptophan	7.4 mmol/L 3.7 mmol/500 mL 1.9 mmol/250 mL	Tyrosine	1.9 mmol/L 0.9 mmol/500 mL 0.5 mmol/250 mL	Valine	33 mmol/L 17 mmol/500 mL 8.5 mmol/250 mL
Glycine	234.45 mmol/L 117.22 mmol/500 mL 58.61 mmol/250 mL																																																		
Histidine	23.935 mmol/L 11.99 mmol/500 mL 5.99 mmol/250 mL																																																		
Isoleucine	30.95 mmol/L 15.48 mmol/500 mL 7.74 mmol/250 mL																																																		
Leucine	40.10 mmol/L 20.05 mmol/500 mL 10.03 mmol/250 mL																																																		
Lysine	26.94 mmol/L 13.47 mmol/500 mL 6.73 mmol/250 mL																																																		
Methionine	32.97 mmol/L 16.49 mmol/500 mL 8.24 mmol/250 mL																																																		
Phenylalanine	31.84 mmol/L 15.92 mmol/500 mL 7.96 mmol/250 mL																																																		
Proline	30.92 mmol/L 15.46 mmol/500 mL 7.73 mmol/250 mL																																																		
Threonine	29.89 mmol/L 14.94 mmol/500 mL 7.47 mmol/250 mL																																																		
Tryptophan	7.44 mmol/L 3.72 mmol/500 mL 1.86 mmol/250 mL																																																		
Tyrosine	1.88 mmol/L 0.94 mmol/500 mL 0.47 mmol/250 mL																																																		
Valine	33.29 mmol/L 16.65 mmol/500 mL 8.32 mmol/250 mL																																																		
Glycine	234 mmol/L 117 mmol/500 mL 59 mmol/250 mL																																																		
Histidine	24 mmol/L 12 mmol/500 mL 6 mmol/250 mL																																																		
Isoleucine	31 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL																																																		
Leucine	40 mmol/L 20 mmol/500 mL 10 mmol/250 mL																																																		
Lysine	27 mmol/L 13 mmol/500 mL 6.5 mmol/250 mL																																																		
Methionine	33 mmol/L 16 mmol/500 mL 8 mmol/250 mL																																																		
Phenylalanine	32 mmol/L 16 mmol/500 mL 8 mmol/250 mL																																																		
Proline	31 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL																																																		
Threonine	30 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL																																																		
Tryptophan	7.4 mmol/L 3.7 mmol/500 mL 1.9 mmol/250 mL																																																		
Tyrosine	1.9 mmol/L 0.9 mmol/500 mL 0.5 mmol/250 mL																																																		
Valine	33 mmol/L 17 mmol/500 mL 8.5 mmol/250 mL																																																		
500 mL	Travasol 8.5% without added electrolytes	<p>No available energy from carbohydrate or fat</p> <p>Amino acid solution without added electrolytes</p> <table border="0"> <tr> <td>Amino acid</td> <td>85 g/L 42.5 g/500 mL</td> </tr> <tr> <td>Total nitrogen</td> <td>1013.56 mmol/L 506.78 mmol/500 mL</td> </tr> <tr> <td>Acetate</td> <td>73 mmol/L 36.5 mmol/500 mL</td> </tr> <tr> <td>Chloride</td> <td>34 mmol/L 17 mmol/500 mL</td> </tr> </table> <p>(All amino acid concentrations are the same as for the immediately preceding solution)</p> <p>No available energy from carbohydrate or fat</p>	Amino acid	85 g/L 42.5 g/500 mL	Total nitrogen	1013.56 mmol/L 506.78 mmol/500 mL	Acetate	73 mmol/L 36.5 mmol/500 mL	Chloride	34 mmol/L 17 mmol/500 mL	<p>Amino acid solution without added electrolytes</p> <table border="0"> <tr> <td>Amino acid</td> <td>85 g/L 42.5 g/500 mL</td> </tr> <tr> <td>Total nitrogen</td> <td>1014 mmol/L 507 mmol/500 mL</td> </tr> <tr> <td>Acetate</td> <td>73 mmol/L 37 mmol/500 mL</td> </tr> <tr> <td>Chloride</td> <td>34 mmol/L 17 mmol/500 mL</td> </tr> </table>	Amino acid	85 g/L 42.5 g/500 mL	Total nitrogen	1014 mmol/L 507 mmol/500 mL	Acetate	73 mmol/L 37 mmol/500 mL	Chloride	34 mmol/L 17 mmol/500 mL																																
Amino acid	85 g/L 42.5 g/500 mL																																																		
Total nitrogen	1013.56 mmol/L 506.78 mmol/500 mL																																																		
Acetate	73 mmol/L 36.5 mmol/500 mL																																																		
Chloride	34 mmol/L 17 mmol/500 mL																																																		
Amino acid	85 g/L 42.5 g/500 mL																																																		
Total nitrogen	1014 mmol/L 507 mmol/500 mL																																																		
Acetate	73 mmol/L 37 mmol/500 mL																																																		
Chloride	34 mmol/L 17 mmol/500 mL																																																		

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
1000 mL 500 mL 250 mL	Travasol 10% with added electrolytes	Amino acid solution with electrolytes		Amino acid solution with electrolytes	
		Amino acid	100 g/L 50 g/500 mL 25 g/250 mL	Amino acid	100 g/L 50 g/500 mL 25 g/250 mL
		Total nitrogen	1199.14 mmol/L 599.57 mmol/500 mL 299.79 mmol/250 mL	Total nitrogen	1200 mmol/L 600 mmol/500 mL 300 mmol/250 mL
		Sodium	70 mmol/L 35 mmol/500 mL 17.5 mmol/250 mL	Sodium	70 mmol/L 35 mmol/500 mL 18 mmol/250 mL
		Potassium	60 mmol/L 30 mmol/500 mL 15 mmol/250 mL	Potassium	60 mmol/L 30 mmol/500 mL 15 mmol/250 mL
		Chloride	70 mmol/L 35 mmol/500 mL 17.5 mmol/250 mL	Chloride	70 mmol/L 35 mmol/500 mL 18 mmol/250 mL
		Acetate	150 mmol/L 75 mmol/500 mL 37.5 mmol/250 mL	Acetate	150 mmol/L 75 mmol/500 mL 38 mmol/250 mL
		Phosphate	30 mmol/L 15 mmol/500 mL 7.5 mmol/250 mL	Phosphate	30 mmol/L 15 mmol/500 mL 8 mmol/250 mL
		Magnesium	5 mmol/L 2.5 mmol/500 mL 1.25 mmol/250 mL	Magnesium	5 mmol/L 2.5 mmol/500 mL 1.3 mmol/250 mL
		Alanine	233.47 mmol/L 116.74 mmol/500 mL 58.37 mmol/250 mL	Alanine	233 mmol/L 117 mmol/500 mL 58 mmol/250 mL
		Arginine	59.70 mmol/L 29.85 mmol/500 mL 14.93 mmol/250 mL	Arginine	60 mmol/L 30 mmol/500 mL 15 mmol/250 mL
		Glycine	277.07 mmol/L 138.54 mmol/500 mL 69.27 mmol/250 mL	Glycine	277 mmol/L 139 mmol/500 mL 69 mmol/250 mL
		Histidine	28.36 mmol/L 14.18 mmol/500 mL 7.09 mmol/250 mL	Histidine	28 mmol/L 14 mmol/500 mL 7 mmol/250 mL
		Isoleucine	36.59 mmol/L 18.30 mmol/500 mL 9.15 mmol/250 mL	Isoleucine	37 mmol/L 18 mmol/500 mL 9 mmol/250 mL
		Leucine	47.27 mmol/L 23.63 mmol/500 mL 11.82 mmol/250 mL	Leucine	47 mmol/L 24 mmol/500 mL 12 mmol/250 mL
		Lysine	31.75 mmol/L 15.88 mmol/500 mL 7.94 mmol/250 mL	Lysine	32 mmol/L 16 mmol/500 mL 8 mmol/250 mL
		Methionine	38.87 mmol/L 19.44 mmol/500 mL 9.72 mmol/250 mL	Methionine	39 mmol/L 19 mmol/500 mL 10 mmol/250 mL
		Phenylalanine	37.53 mmol/L 18.77 mmol/500 mL 9.38 mmol/250 mL	Phenylalanine	38 mmol/L 19 mmol/500 mL 9.5 mmol/250 mL
		Proline	36.48 mmol/L 18.24 mmol/500 mL 9.12 mmol/250 mL	Proline	36 mmol/L 18 mmol/500 mL 9 mmol/250 mL
		Threonine	35.26 mmol/L 17.63 mmol/500 mL 8.81 mmol/250 mL	Threonine	35 mmol/L 18 mmol/500 mL 9 mmol/250 mL ... continued

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL 500 mL 250 mL	Travasol 10% with added electrolytes (cont'd)	Amino acid solution with electrolytes Tryptophan 8.81 mmol/L 4.41 mmol/500 mL 2.20 mmol/250 mL Tyrosine 2.21 mmol/L 1.10 mmol/500 mL 0.55 mmol/250 mL Valine 39.27 mmol/L 19.63 mmol/500 mL 9.82 mmol/250 mL	Amino acid solution with electrolytes Tryptophan 9 mmol/L 4.4 mmol/500 mL 2.2 mmol/250 mL Tyrosine 2.2 mmol/L 1.1 mmol/500 mL 0.6 mmol/250 mL Valine 39 mmol/L 20 mmol/500 mL 10 mmol/250 mL
500 mL	Travasol 10% without added electrolytes	No available energy from carbohydrate or fat Amino acid solution without electrolytes Amino acid 100 g/L 50 g/500 mL Total nitrogen 1199.14 mmol/L 599.57 mmol/500 mL Acetate 87 mmol/L 43.5 mmol/500 mL Chloride 40 mmol/L 20 mmol/500 mL	Amino acid solution without electrolytes Amino acid 100 g/L 50 g/500 mL Total nitrogen 1200 mmol/L 600 mmol/500 mL Acetate 87 mmol/L 44 mmol/500 mL Chloride 40 mmol/L 20 mmol/500 mL
1000 mL 500 mL 100 mL	Vamin N with 10% fructose and added electrolytes	(All amino acid concentrations are the same as for the immediately preceding solution) No available energy from carbohydrate or fat Amino acid solution with fructose and added electrolytes Amino acid 70 g/L 35 g/500 mL 7 g/100 mL Total nitrogen 670.95 mmol/L 335.47 mmol/500 mL 67.09 mmol/100 mL Fructose 555.06 mmol/L 277.53 mmol/500 mL 55.51 mmol/100 mL Energy available from carbohydrate 1715.44 kJ/L 857.72 kJ/500 mL 171.54 kJ/100 mL Sodium 50 mmol/L 25 mmol/500 mL 5 mmol/100 mL Potassium 20 mmol/L 10 mmol/500 mL 2 mmol/100 mL Chloride 55 mmol/L 27.5 mmol/500 mL 5.5 mmol/100 mL Calcium 2.5 mmol/L 1.25 mmol/500 mL 0.5 mmol/100 mL Magnesium 1.5 mmol/L 0.75 mmol/500 mL 0.15 mmol/100 mL Alanine 33.67 mmol/L 16.84 mmol/500 mL 3.37 mmol/100 mL	Amino acid solution with fructose and added electrolytes Amino acid 70 g/L 35 g/500 mL 7 g/100 mL Total nitrogen 670 mmol/L 335 mmol/500 mL 67 mmol/100 mL Fructose 560 mmol/L 280 mmol/500 mL 56 mmol/100 mL Energy available from carbohydrate 1720 kJ/L 860 kJ/500 mL 170 kJ/100 mL Sodium 50 mmol/L 25 mmol/500 mL 5 mmol/100 mL Potassium 20 mmol/L 10 mmol/500 mL 2 mmol/100 mL Chloride 55 mmol/L 27.5 mmol/500 mL 5.5 mmol/100 mL Calcium 2.5 mmol/L 1.3 mmol/500 mL 0.5 mmol/100 mL Magnesium 1.5 mmol/L 0.8 mmol/500 mL 0.2 mmol/100 mL Alanine 34 mmol/L 17 mmol/500 mL 3.4 mmol/100 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL 500 mL 100 mL	Vamin N with 10% fructose and added electrolytes (cont'd)	Amino acid solution with fructose and added electrolytes	Amino acid solution with fructose and added electrolytes
		Arginine 18.94 mmol/L 9.47 mmol/500 mL 1.89 mmol/100 mL	Arginine 19 mmol/L 9.5 mmol/500 mL 1.9 mmol/100 mL
		Aspartic acid 30.80 mmol/L 15.40 mmol/500 mL 3.08 mmol/100 mL	Aspartic acid 31 mmol/L 15 mmol/500 mL 3.1 mmol/100 mL
		Cysteine 8.88 mmol/L 4.44 mmol/500 mL 0.89 mmol/100 mL	Cysteine 9 mmol/L 4.4 mmol/500 mL 0.9 mmol/100 mL
		Glutamic acid 61.17 mmol/L 30.59 mmol/500 mL 6.12 mmol/100 mL	Glutamic acid 61 mmol/L 31 mmol/500 mL 6 mmol/100 mL
		Glycine 27.97 mmol/L 13.99 mmol/500 mL 2.80 mmol/100 mL	Glycine 28 mmol/L 14 mmol/500 mL 2.8 mmol/100 mL
		Histidine 15.47 mmol/L 7.73 mmol/500 mL 1.55 mmol/100 mL	Histidine 15 mmol/L 7.5 mmol/500 mL 1.5 mmol/100 mL
		Isoleucine 29.73 mmol/L 14.87 mmol/500 mL 2.97 mmol/100 mL	Isoleucine 30 mmol/L 15 mmol/500 mL 3 mmol/100 mL
		Leucine 40.41 mmol/L 20.20 mmol/500 mL 4.04 mmol/100 mL	Leucine 40 mmol/L 20 mmol/500 mL 4 mmol/100 mL
		Lysine 21.35 mmol/L 10.68 mmol/500 mL 2.14 mmol/100 mL	Lysine 21 mmol/L 11 mmol/500 mL 2.1 mmol/100 mL
		Methionine 12.73 mmol/L 6.37 mmol/500 mL 1.27 mmol/100 mL	Methionine 13 mmol/L 6.5 mmol/500 mL 1.3 mmol/100 mL
		Phenylalanine 33.29 mmol/L 16.65 mmol/500 mL 3.33 mmol/100 mL	Phenylalanine 33 mmol/L 17 mmol/500 mL 3.3 mmol/100 mL
		Proline 70.36 mmol/L 35.18 mmol/500 mL 7.04 mmol/100 mL	Proline 70 mmol/L 35 mmol/500 mL 7 mmol/100 mL
		Serine 71.37 mmol/L 35.68 mmol/500 mL 7.14 mmol/100 mL	Serine 71 mmol/L 36 mmol/500 mL 7 mmol/100 mL
		Threonine 25.18 mmol/L 12.59 mmol/500 mL 2.52 mmol/100 mL	Threonine 25 mmol/L 13 mmol/500 mL 2.5 mmol/100 mL
		Tryptophan 4.90 mmol/L 2.45 mmol/500 mL 0.49 mmol/100 mL	Tryptophan 5 mmol/L 2.5 mmol/500 mL 0.5 mmol/100 mL
		Tyrosine 4.76 mmol/L 2.38 mmol/500 mL 0.48 mmol/100 mL	Tyrosine 4.8 mmol/L 2.4 mmol/500 mL 0.5 mmol/100 mL
		Valine 36.71 mmol/L 18.35 mmol/500 mL 3.67 mmol/100 mL	Valine 37 mmol/L 18 mmol/500 mL 3.7 mmol/100 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL 500 mL 100 mL	Vamin 9 with 10% glucose and added electrolytes	Amino acid solution with fructose and added electrolytes D-glucose 504.6 mmol/L 252.3 mmol/500 mL 50.46 mmol/100 mL Energy available 1447.62 kJ/L 723.81 kJ/500 mL 144.76 kJ/100 mL	Amino acid solution with fructose and added electrolytes D-glucose 500 mmol/L 250 mmol/500 mL 50 mmol/100 mL Energy available 1440 kJ/L 720 kJ/500 mL 140 kJ/100 mL
1000 mL 500 mL	Vamin 14 V and added electrolytes	(All other electrolyte and amino acid concentrations are the same as for the immediately preceding solution) Amino acid solution and added electrolytes Amino acid 84 g/L 42 g/500 mL Total nitrogen 963.60 mmol/L 481.80 mmol/500 mL Sodium 100 mmol/L 50 mmol/500 mL Potassium 50 mmol/L 25 mmol/500 mL Chloride 100 mmol/L 50 mmol/500 mL Acetate 135 mmol/L 67.5 mmol/500 mL Magnesium 8 mmol/L 4 mmol/500 mL Alanine 102.43 mmol/L 51.22 mmol/500 mL Arginine 48.22 mmol/L 24.11 mmol/500 mL Aspartic acid 18.78 mmol/L 9.39 mmol/500 mL Cysteine 2.66 mmol/L 1.33 mmol/500 mL Glutamic acid 28.55 mmol/L 14.27 mmol/500 mL Glycine 78.59 mmol/L 39.30 mmol/500 mL Histidine 32.87 mmol/L 16.43 mmol/500 mL Isoleucine 32.02 mmol/L 16.01 mmol/500 mL Leucine 44.98 mmol/L 22.49 mmol/500 mL Lysine 37.23 mmol/L 18.61 mmol/500 mL Methionine 28.15 mmol/L 14.07 mmol/500 mL Phenylalanine 35.72 mmol/L 17.86 mmol/500 mL Proline 44.30 mmol/L 22.15 mmol/500 mL Serine 32.35 mmol/L 16.18 mmol/500 mL Threonine 35.26 mmol/L 17.63 mmol/500 mL Tryptophan 6.86 mmol/L 3.43 mmol/500 mL	Amino acid solution and added electrolytes Amino acid 84 g/L 42 g/500 mL Total nitrogen 960 mmol/L 480 mmol/500 mL Sodium 100 mmol/L 50 mmol/500 mL Potassium 50 mmol/L 25 mmol/500 mL Chloride 100 mmol/L 50 mmol/500 mL Acetate 135 mmol/L 68 mmol/500 mL Magnesium 8 mmol/L 4 mmol/500 mL Alanine 102 mmol/L 51 mmol/500 mL Arginine 48 mmol/L 24 mmol/500 mL Aspartic acid 19 mmol/L 9.5 mmol/500 mL Cysteine 2.7 mmol/L 1.3 mmol/500 mL Glutamic acid 29 mmol/L 14 mmol/500 mL Glycine 79 mmol/L 39 mmol/500 mL Histidine 33 mmol/L 16 mmol/500 mL Isoleucine 32 mmol/L 16 mmol/500 mL Leucine 45 mmol/L 22 mmol/500 mL Lysine 37 mmol/L 19 mmol/500 mL Methionine 28 mmol/L 14 mmol/500 mL Phenylalanine 36 mmol/L 18 mmol/500 mL Proline 44 mmol/L 22 mmol/500 mL Serine 32 mmol/L 16 mmol/500 mL Threonine 35 mmol/L 18 mmol/500 mL Tryptophan 7 mmol/L 3.5 mmol/500 mL ... continued

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL 500 mL	Vamin 14 V and added electrolytes (cont'd)	Amino acid solution and added electrolytes Tyrosine 0.94 mmol/L 0.47 mmol/500 mL Valine 46.95 mmol/L 23.47 mmol/500 mL	Amino acid solution and added electrolytes Tyrosine 1 mmol/L 0.5 mmol/500 mL Valine 47 mmol/L 23 mmol/500 mL
1000 mL 500 mL	Vamin 14 V, electrolyte free	No available energy from carbohydrate or fat All concentrations same as for the immediately preceding solution except for the electrolytes which are absent	
1000 mL 500 mL	Vamin 18 V, electrolyte free	Amino acid solution, electrolyte free Amino acid 112 g/L 56 g/500 mL Total nitrogen 1284.8 mmol/L 642.4 mmol/500 mL Alanine 179.59 mmol/L 89.8 mmol/500 mL Arginine 64.86 mmol/L 32.43 mmol/500 mL Aspartic acid 25.54 mmol/L 12.77 mmol/500 mL Cysteine 3.55 mmol/L 1.78 mmol/500 mL Glutamic acid 38.06 mmol/L 19.03 mmol/500 mL Histidine 43.83 mmol/L 21.91 mmol/500 mL Isoleucine 42.69 mmol/L 21.35 mmol/500 mL Leucine 60.23 mmol/L 30.11 mmol/500 mL Lysine 49.27 mmol/L 24.67 mmol/500 mL Methionine 37.53 mmol/L 18.77 mmol/500 mL Phenylalanine 47.82 mmol/L 23.91 mmol/500 mL Proline 59.06 mmol/L 29.53 mmol/500 mL Serine 42.82 mmol/L 21.41 mmol/500 mL Threonine 47.01 mmol/L 23.51 mmol/500 mL Tryptophan 9.3 mmol/L 4.65 mmol/500 mL Tyrosine 1.27 mmol/L 0.63 mmol/500 mL Valine 62.31 mmol/L 31.16 mmol/500 mL	Amino acid solution, electrolyte free Amino acid 112 g/L 56 g/500 mL Total nitrogen 1285 mmol/L 642 mmol/500 mL Alanine 180 mmol/L 90 mmol/500 mL Arginine 65 mmol/L 33 mmol/500 mL Aspartic acid 26 mmol/L 13 mmol/500 mL Cysteine 3.6 mmol/L 1.8 mmol/500 mL Glutamic acid 38 mmol/L 19 mmol/500 mL Histidine 44 mmol/L 22 mmol/500 mL Isoleucine 43 mmol/L 21 mmol/500 mL Leucine 60 mmol/L 30 mmol/500 mL Lysine 49 mmol/L 25 mmol/500 mL Methionine 38 mmol/L 19 mmol/500 mL Phenylalanine 48 mmol/L 24 mmol/500 mL Proline 59 mmol/L 30 mmol/500 mL Serine 43 mmol/L 22 mmol/500 mL Threonine 47 mmol/L 24 mmol/500 mL Tryptophan 9.5 mmol/L 4.7 mmol/500 mL Tyrosine 1.3 mmol/L 0.6 mmol/500 mL Valine 62 mmol/L 31 mmol/500 mL
		No available energy from carbohydrate or fat	

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
Carbohydrate Solutions					
1000 mL	5% Dextrose Inj. USP	D-glucose Inj.	252.3 mmol/L	D-glucose Inj.	250 mmol/L
		Available Energy	723.8 kJ/L	Available Energy	720 kJ/L
500 mL	5% Dextrose Inj. USP	D-glucose Inj.	252.3 mmol/L	D-glucose Inj.	250 mmol/L
		Available Energy	126.2 mmol/500 mL	Available Energy	125 mmol/500 mL
		Available Energy	362.05 mmol/500 mL	Available Energy	360 kJ/500 mL
250 mL	5% Dextrose Inj. USP	D-glucose Inj.	252.3 mmol/L	D-glucose Inj.	250 mmol/L
		Available Energy	63.1 mmol/250 mL	Available Energy	62.5 mmol/250 mL
		Available Energy	181.02 kJ/250 mL	Available Energy	180 kJ/250 mL
100 mL	5% Dextrose Inj. USP	D-glucose Inj.	252.3 mmol/L	D-glucose Inj.	250 mmol/L
		Available Energy	25.23 mmol/100 mL	Available Energy	25 mmol/100 mL
		Available Energy	72.38 kJ/100 mL	Available Energy	70 kJ/100 mL
50 mL	5% Dextrose Inj. USP	D-glucose Inj.	252.3 mmol/L	D-glucose Inj.	250 mmol/L
		Available Energy	12.62 mmol/50 mL	Available Energy	12.5 mmol/50 mL
		Available Energy	36.20 kJ/50 mL	Available Energy	40 kJ/50 mL
25 mL	5% Dextrose Inj. USP	D-glucose Inj.	252.3 mmol/L	D-glucose Inj.	250 mmol/L
		Available Energy	6.31 mmol/25 mL	Available Energy	6.25 mmol/25 mL
		Available Energy	18.10 kJ/25 mL	Available Energy	20 kJ/25 mL
1000 mL	10% Dextrose Inj. USP	D-glucose Inj.	504.6 mmol/L	D-glucose Inj.	500 mmol/L
		Available Energy	1447.62 kJ/L	Available Energy	1440 kJ/L
500 mL	10% Dextrose Inj. USP	D-glucose Inj.	504.6 mmol/L	D-glucose Inj.	500 mmol/L
		Available Energy	252.3 mmol/500 mL	Available Energy	250 mmol/500 mL
		Available Energy	723.81 kJ/500 mL	Available Energy	720 kJ/500 mL
250 mL	10% Dextrose Inj. USP	D-glucose Inj.	504.6 mmol/L	D-glucose Inj.	500 mmol/L
		Available Energy	126.2 mmol/250 mL	Available Energy	125 mmol/250 mL
		Available Energy	362.05 kJ/250 mL	Available Energy	360 kJ/250 mL
750 mL	13.3% Dextrose Inj. USP	D-glucose Inj.	671.118 mmol/L	D-glucose Inj.	670 mmol/L
		Available Energy	503.38 mmol/750 mL	Available Energy	500 mmol/750 mL
		Available Energy	1444.12 kJ/750 mL	Available Energy	1440 kJ/750 mL
500 mL	20% Dextrose Inj. USP	D-glucose Inj.	1009.2 mmol/L	D-glucose Inj.	1000 mmol/L
		Available Energy	504.6 mmol/500 mL	Available Energy	500 mmol/500 mL
		Available Energy	1447.62 kJ/500 mL	Available Energy	1440 kJ/500 mL
750 mL	33.3% Dextrose Inj. USP	D-glucose Inj.	1680.46 mmol/L	D-glucose Inj.	1680 mmol/L
		Available Energy	1260.35 mmol/750 mL	Available Energy	1260 mmol/750 mL
		Available Energy	3615.76 kJ/750 mL	Available Energy	3620 kJ/750 mL
500 mL	40% Dextrose Inj. USP	D-glucose Inj.	2018.47 mmol/L	D-glucose Inj.	2000 mmol/L
		Available Energy	1009.29 mmol/500 mL	Available Energy	1000 mmol/500 mL
		Available Energy	2898.13 kJ/500 mL	Available Energy	2870 kJ/500 mL
500 mL	50% Dextrose Inj. USP	D-glucose Inj.	2523.09 mmol/L	D-glucose Inj.	2500 mmol/L
		Available Energy	1261.55 mmol/500 mL	Available Energy	1250 mmol/500 mL
		Available Energy	3620.92 kJ/500 mL	Available Energy	3590 kJ/500 mL
500 mL	60% Dextrose Inj. USP	D-glucose Inj.	3027.70 mmol/L	D-glucose Inj.	3000 mmol/L
		Available Energy	1513.85 mmol/500 mL	Available Energy	1500 mmol/500 mL
		Available Energy	4343.01 kJ/500 mL	Available Energy	4300 kJ/500 mL
500 mL	70% Dextrose Inj. USP	D-glucose Inj.	3532.32 mmol/L	D-glucose Inj.	3500 mmol/L
		Available Energy	1766.16 mmol/500 mL	Available Energy	1750 mmol/500 mL
		Available Energy	5066.85 kJ/500 mL	Available Energy	5020 kJ/500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
Osmotic Diuretic Solutions					
1000 mL	5% Mannitol Inj. USP	Mannitol Inj. USP Mannitol	274.99 mmol/L	Mannitol Inj. Mannitol	275 mmol/L
1000 mL	10% Mannitol Inj. USP	Mannitol Inj. USP Mannitol	549.99 mmol/L	Mannitol Inj. Mannitol	550 mmol/L
500 mL	15% Mannitol Inj. USP	Mannitol Inj. USP Mannitol	825.99 mmol/L 412.49 mmol/500 mL	Mannitol Inj. Mannitol	800 mmol/L 400 mmol/500 mL
500 mL	20% Mannitol Inj. USP	Mannitol Inj. USP Mannitol	1099.99 mmol/L 549.99 mmol/500 mL	Mannitol Inj. Mannitol	1100 mmol/L 550 mmol/500 mL
Electrolyte Solutions (No Available Energy)					
1000 mL	Lactated Ringer's Inj. USP	Lactated Ringer's Inj. USP		Lactated Ringer's Inj. USP	
		Sodium	130.15 mmol/L	Sodium	130 mmol/L
		Chloride	107.87 mmol/L	Chloride	108 mmol/L
		Lactate	27.66 mmol/L	Lactate	28 mmol/L
		Potassium	4.02 mmol/L	Potassium	4 mmol/L
		Calcium	1.36 mmol/L	Calcium	1.4 mmol/L
500 mL	Lactated Ringer's Inj. USP	Lactated Ringer's Inj. USP		Lactated Ringer's Inj. USP	
		Sodium	130.15 mmol/L 65.08 mmol/500 mL	Sodium	130 mmol/L 65 mmol/500 mL
		Chloride	107.87 mmol/L 53.94 mmol/500 mL	Chloride	108 mmol/L 54 mmol/500 mL
		Lactate	27.66 mmol/L 13.83 mmol/500 mL	Lactate	28 mmol/L 14 mmol/500 mL
		Potassium	4.02 mmol/L 2.01 mmol/500 mL	Potassium	4 mmol/L 2 mmol/500 mL
		Calcium	1.36 mmol/L 0.68 mmol/500 mL	Calcium	1.4 mmol/L 0.7 mmol/500 mL
Electrolyte Solutions (No Available Energy)					
250 mL	Lactated Ringer's Inj. USP	Lactated Ringer's Inj. USP		Lactated Ringer's Inj. USP	
		Sodium	130.15 mmol/L 32.54 mmol/250 mL	Sodium	130 mmol/L 33 mmol/250 mL
		Chloride	107.87 mmol/L 26.97 mmol/250 mL	Chloride	108 mmol/L 27 mmol/250 mL
		Lactate	27.66 mmol/L 6.92 mmol/250 mL	Lactate	28 mmol/L 7 mmol/250 mL
		Potassium	4.02 mmol/L 1.01 mmol/250 mL	Potassium	7 mmol/L 1.0 mmol/250 mL
		Calcium	1.36 mmol/L 0.34 mmol/250 mL	Calcium	1.4 mmol/L 0.34 mmol/250 mL
1000 mL	Normosol-R				
500 mL	Same concentrations as Plasma-Lyte A Electrolyte Solution	Electrolytes in water		Electrolytes in water	

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL	Plasma-Lyte A Electrolyte Solution	Plasma-Lyte A Electrolyte Solution Sodium 139.91 mmol/L Chloride 96.36 mmol/L Acetate 27.04 mmol/L Gluconate 23.01 mmol/L Potassium 4.96 mmol/L Magnesium 1.48 mmol/L	Plasma-Lyte A Electrolyte Solution Sodium 140 mmol/L Chloride 96 mmol/L Acetate 27 mmol/L Gluconate 23 mmol/L Potassium 5 mmol/L Magnesium 1.5 mmol/L
1000 mL	Plasma-Lyte 148 Electrolyte Solution	Same as for Plasma-Lyte A Electrolyte Solution only in this case pH 5.5 and in the former pH 7.4	
1000 mL	Ringer's Inj. USP	Ringer's Inj. USP Sodium 146.9 mmol/L Chloride 153.17 mmol/L Potassium 4.02 mmol/L Calcium 2.25 mmol/L	Ringer's Inj. USP Sodium 147 mmol/L Chloride 153 mmol/L Potassium 4 mmol/L Calcium 2.3 mmol/L
1000 mL	0.45% Sod. Chloride Inj. USP	Sodium Chloride Inj. USP Sodium 77 mmol/L Chloride 77 mmol/L	Sodium Chloride Inj. USP Sodium 75 mmol/L Chloride 75 mmol/L
1000 mL	0.9% Sod. Chloride Inj. USP	Sodium Chloride Inj. USP Sodium 154 mmol/L Chloride 154 mmol/L	Sodium Chloride Inj. USP Sodium 150 mmol/L Chloride 150 mmol/L
500 mL	0.9% Sod. Chloride Inj. USP	Sodium Chloride Inj. USP Sodium 154 mmol/L 77 mmol/500 mL Chloride 154 mmol/L 77 mmol/500 mL	Sodium Chloride Inj. USP Sodium 150 mmol/L 75 mmol/500 mL Chloride 150 mmol/L 75 mmol/500 mL
250 mL	0.9% Sod. Chloride Inj. USP	Sodium Chloride Inj. USP Sodium 154 mmol/L 38.5 mmol/250 mL Chloride 154 mmol/L 38.5 mmol/250 mL	Sodium Chloride Inj. USP Sodium 150 mmol/L 37.5 mmol/250 mL Chloride 150 mmol/L 37.5 mmol/250 mL
100 mL	0.9% Sod. Chloride Inj. USP	Sodium Chloride Inj. USP Sodium 154 mmol/L 15.4 mmol/100 mL Chloride 154 mmol/L 15.4 mmol/100 mL	Sodium Chloride Inj. USP Sodium 150 mmol/L 15 mmol/100 mL Chloride 150 mmol/L 15 mmol/100 mL
50 mL	0.9% Sod. Chloride Inj. US	Sodium Chloride Inj. USP Sodium 154 mmol/L 7.7 mmol/50 mL Chloride 154 mmol/L 7.7 mmol/50 mL	Sodium Chloride Inj. USP Sodium 150 mmol/L 7.5 mmol/50 mL Chloride 150 mmol/L 7.5 mmol/50 mL

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
25 mL	0.9% Sod. Chloride Inj. USP	Sodium Chloride Inj. USP		Sodium Chloride Inj. USP	
		Sodium	154 mmol/L 3.85 mmol/25 mL	Sodium	150 mmol/L 3.8 mmol/25 mL
		Chloride	154 mmol/L 3.85 mmol/25 mL	Chloride	150 mmol/L 3.8 mmol/25 mL
Irrigation Fluids					
3000 mL	Aminoacetic Acid Irrigation USP	Aminoacetic Acid Irrigation USP		Aminoacetic Acid Irrigation USP	
		Aminoacetic Acid	199.81 mmol/L 599.4 mmol/3000 mL	Aminoacetic Acid	200 mmol/L 600 mmol/3000 mL
3000 mL	Cytosol Urologic Irrigating Fluid	Cytosol Urologic Irrigating Fluid		Cytosol Urologic Irrigating Fluid	
		Sorbitol	137.2 mmol/L 411.7 mmol/3000 mL	Sorbitol	140 mmol/L 420 mmol/3000 mL
		Mannitol	27.499 mmol/L 82.499 mmol/3000 mL	Mannitol	30 mmol/L 90 mmol/3000 mL
3000 mL	Sod. Chloride Irrigation USP	Sodium Chloride Irrigation USP		Sodium Chloride Irrigation USP	
		Sodium	154 mmol/L 462 mmol/3000 mL	Sodium	150 mmol/L 450 mmol/3000 mL
		Chloride	154 mmol/L 462 mmol/3000 mL	Chloride	150 mmol/L 450 mmol/3000 mL
1000 mL	Sod. Chloride Irrigation USP	Sodium Chloride Irrigation USP		Sodium Chloride Irrigation USP	
		Sodium	154 mmol/L	Sodium	150 mmol/L
		Chloride	154 mmol/L	Chloride	150 mmol/L
1000 mL	Urologic Solution G (also Urologic or Subry's Solution)	Urologic Solution G		Urologic Solution G	
		Citric Acid	154.18 mmol/L	Citric Acid	150 mmol/L
		Magnesium Oxide	94.3 mmol/L	Magnesium Oxide	90 mmol/L
		Sod. Carbonate	40.57 mmol/L	Sod. Carbonate	40 mmol/L
1000 mL	Urologic G Half-strength Irrigation	Urologic G Half-strength Irrigation		Urologic G Half-strength Irrigation	
		Citric Acid	77.09 mmol/L	Citric Acid	75 mmol/L
		Magnesium Oxide	47.13 mmol/L	Magnesium Oxide	45 mmol/L
		Sod. Carbonate	19.81 mmol/L	Sod. Carbonate	20 mmol/L
Plasma Volume Expanders					
500 mL	6% Dextran 75 and 5% Dextrose Inj.	Dextran 75 and D-glucose Inj.		Dextran 75 and D-glucose Inj.	
		Dextran 75	0.8 mmol/L 0.4 mmol/500 mL	Dextran 75	0.8 mmol/L 0.4 mmol/500 mL
		D-glucose	252.3 mmol/L 126.2 mmol/500 mL	D-glucose	250 mmol/L 125 mmol/500 mL
		Available Energy	362.05 kJ/500 mL	Available Energy	360 kJ/500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
500 mL	6% Dextran 75 and 0.9% Sodium Chloride Inj.	Dextran 75 and Sod. Chloride Inj. Dextran 75 0.8 mmol/L 0.4 mmol/500 mL Sodium 154 mmol/L 77 mmol/500 mL Chloride 154 mmol/L 77 mmol/500 mL	Dextran 75 and Sod. Chloride Inj. Dextran 75 0.8 mmol/L 0.4 mmol/L Sodium 150 mmol/L 75 mmol/500 mL Chloride 150 mmol/L 75 mmol/500 mL
500 mL	6% Dextran 75 and 0.9% Sodium Chloride Inj.	(same concentrations as preceding solution)	
500 mL	10% Dextran 40 and 5% Dextrose Inj.	Dextran 40 and glucose Inj. Dextran 40 2.5 mmol/L 1.25 mmol/500 mL D-glucose 252.3 mmol/L 126.2 mmol/500 mL Available Energy 362.05 kJ/500 mL	Dextran 40 and D-glucose Inj. Dextran 40 2.5 mmol/L 1.25 mmol/500 mL D-glucose 250 mmol/L 125 mmol/500 mL Available Energy 360 kJ/500 mL
500 mL	10% Dextran 40 and 0.9% Sodium Chloride Inj.	Dextran 40 and Sod. Chloride Inj. Dextran 40 2.5 mmol/L 1.25 mmol/500 mL Sodium 154 mmol/L 77 mmol/500 mL Chloride 154 mmol/L 77 mmol/500 mL	Dextran 40 and Sod. Chloride Inj. Dextran 40 2.5 mmol/L 1.25 mmol/500 mL Sodium 150 mmol/L 75 mmol/500 mL Chloride 150 mmol/L 75 mmol/500 mL
Mixed Carbohydrate and Electrolyte Solutions			
1000 mL	3.3% Dextrose and 0.3% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. D-glucose 166.52 mmol/L Sodium 51.25 mmol/L Chloride 51.25 mmol/L Available Energy 477.95 kJ/L	D-glucose and Sodium Chloride Inj. D-glucose 160 mmol/L Sodium 50 mmol/L Chloride 50 mmol/L Available Energy 460 kJ/L
500 mL	3.3% Dextrose and 0.3% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. D-glucose 166.52 mmol/L 83.26 mmol/500 mL Sodium 51.25 mmol/L 25.63 mmol/500 mL Chloride 51.25 mmol/L 25.63 mmol/500 mL Available Energy 238.97 kJ/500 mL	D-glucose and Sodium Chloride Inj. D-glucose 160 mmol/L 80 mmol/500 mL Sodium 50 mmol/L 25 mmol/500 mL Chloride 50 mmol/L 25 mmol/500 mL Available Energy 230 kJ/500 mL
250 mL	3.3% Dextrose and 0.3% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. D-glucose 166.52 mmol/L 41.63 mmol/250 mL Sodium 51.25 mmol/L 12.81 mmol/250 mL Chloride 51.25 mmol/L 12.81 mmol/250 mL Available Energy 119.49 kJ/250 mL	D-glucose and Sodium Chloride Inj. D-glucose 160 mmol/L 40 mmol/250 mL Sodium 50 mmol/L 12.5 mmol/250 mL Chloride 50 mmol/L 12.5 mmol/250 mL Available Energy 110 kJ/250 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
100 mL	3.3% Dextrose and 0.3% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. D-glucose 166.52 mmol/L 16.65 mmol/100 mL Sodium 51.25 mmol/L 5.13 mmol/100 mL Chloride 51.25 mmol/L 5.13 mmol/100 mL Available Energy 47.79 kJ/100 mL	D-glucose and Sodium Chloride Inj. D-glucose 160 mmol/L 16 mmol/100 mL Sodium 50 mmol/L 5 mmol/100 mL Chloride 50 mmol/L 5 mmol/100 mL Available Energy 50 kJ/100 mL
50 mL	3.3% Dextrose and 0.3% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. D-glucose 166.52 mmol/L 8.3 mmol/50 mL Sodium 51.25 mmol/L 2.56 mmol/50 mL Chloride 51.25 mmol/L 2.56 mmol/50 mL Available Energy 23.82 kJ/50 mL	D-glucose and Sodium Chloride Inj. D-glucose 160 mmol/L 8 mmol/50 mL Sodium 50 mmol/L 2.5 mmol/50 mL Chloride 50 mmol/L 2.5 mmol/50 mL Available Energy 20 kJ/50 mL
250 mL	3.3% Dextrose and 0.3% Sodium Chloride and 5 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 166.52 mmol/L 41.63 mmol/250 mL Sodium 51.25 mmol/L 12.81 mmol/250 mL Chloride 71.37 mmol/L 17.84 mmol/250 mL Potassium 20.118 mmol/L 5.03 mmol/250 mL Available Energy 119.49 kJ/250 mL	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 160 mmol/L 40 mmol/250 mL Sodium 50 mmol/L 12.5 mmol/250 mL Chloride 70 mmol/L 17.5 mmol/250 mL Potassium 20 mmol/L 5 mmol/250 mL Available Energy 110 kJ/250 mL
500 mL	3.3% Dextrose and 0.3% Sodium Chloride and 10 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 166.52 mmol/L 83.26 mmol/500 mL Sodium 51.25 mmol/L 25.63 mmol/500 mL Chloride 71.37 mmol/L 35.69 mmol/500 mL Potassium 20.118 mmol/L 10.059 mmol/500 mL Available Energy 238.97 kJ/500 mL	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 160 mmol/L 80 mmol/500 mL Sodium 50 mmol/L 25 mmol/500 mL Chloride 70 mmol/L 35 mmol/500 mL Potassium 20 mmol/L 10 mmol/500 mL Available Energy 230 kJ/500 mL
1000 mL	3.3% Dextrose and 0.3% Sodium Chloride and 20 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 166.52 mmol/L Sodium 51.25 mmol/L Chloride 71.37 mmol/L Potassium 20.118 mmol/L Available Energy 477.95 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 160 mmol/L Sodium 50 mmol/L Chloride 70 mmol/L Potassium 20 mmol/L Available Energy 460 kJ/L

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
500 mL	3.3% Dextrose and 0.3% Sodium Chloride and 20 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 166.52 mmol/L 83.26 mmol/500 mL Sodium 51.25 mmol/L 25.63 mmol/500 mL Chloride 91.49 mmol/L 45.75 mmol/L Potassium 40.24 mmol/L 20.12 mmol/500 mL Available Energy 238.47 kJ/500 mL	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 160 mmol/l 80 mmol/500 mL Sodium 50 mmol/L 25 mmol/500 mL Chloride 90 mmol/L 45 mmol/500 mL Potassium 40 mmol/L 20 mmol/500 mL Available Energy 230 kJ/500 mL
1000 mL	3.3% Dextrose and 0.3% Sodium Chloride and 40 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 166.52 mmol/L Sodium 51.25 mmol/L Chloride 91.49 mmol/L Potassium 40.24 mmol/L Available Energy 477.95 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 160 mmol/L Sodium 50 mmol/L Chloride 90 mmol/L Potassium 40 mmol/L Available Energy 460 kJ/L
1000 mL	5% Dextrose and 0.2% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. USP D-glucose 252.3 mmol/L Sodium 34.16 mmol/L Chloride 34.16 mmol/L Available Energy 723.8 kJ/L	D-glucose and Sodium Chloride Inj. D-glucose 250 mmol/L Sodium 25 mmol/L Chloride 25 mmol/L Available Energy 720 kJ/L
500 mL	5% Dextrose and 0.2% Sodium Chloride Inf. USP	D-glucose and Sodium Chloride Inj. USP D-glucose 252.3 mmol/L 126.15 mmol/500 mL Sodium 34.16 mmol/L 17.08 mmol/500 mL Chloride 34.16 mmol/L 17.08 mmol/500 mL Available Energy 362.05 kJ/500 mL	D-glucose and Sodium and Chloride Inj. D-glucose 250 mmol/L 125 mmol/500 mL Sodium 25 mmol/L 12.5 mmol/500 mL Chloride 25 mmol/L 12.5 mmol/500 mL Available Energy 360 kJ/500 mL
250 mL	5% Dextrose and 0.2% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride Inj. USP D-glucose 252.3 mmol/L 63.1 mmol/250 mL Sodium 34.16 mmol/L 8.54 mmol/250 mL Chloride 34.16 mmol/L 8.54 mmol/250 mL Available Energy 181.02 kJ/250 mL	D-glucose and Sodium Chloride Inj. D-glucose 250 mmol/L 62.5 mmol/250 mL Sodium 25 mmol/L 6.3 mmol/250 mL Chloride 25 mmol/L 6.3 mmol/250 mL Available Energy 180 kJ/250 mL
250 mL	5% Dextrose and 0.2% Sodium Chloride and 5 mmol Potassium Chloride Inj.	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 252.2 mmol/L 63.1 mmol/250 mL Sodium 34.16 mmol/L 8.54 mmol/250 mL Chloride 54.28 mmol/L 13.57 mmol/250 mL Potassium 20.118 mmol/L 5.03 mmol/250 mL Available Energy 181.02 kJ/250 mL	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 250 mmol/L 62.5 mmol/250 mL Sodium 25 mmol/L 6.25 mmol/250 mL Chloride 45 mmol/L 11.25 mmol/250 mL Potassium 20 mmol/L 5 mmol/250 mL Available Energy 180 kJ/250 mL
VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION

1000 mL	5% Dextrose 0.2% Sodium Chloride and 20 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 252.3 mmol/L Sodium 34.16 mmol/L Chloride 54.28 mmol/L Potassium 20.118 mmol/L Available Energy 723.8 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 250 mmol/L Sodium 25 mmol/L Chloride 45 mmol/L Potassium 20 mmol/L Available Energy 720 kJ/L
1000 mL	5% Dextrose, 0.2% Sodium Chloride and 40 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride D-glucose 252.3 mmol/L Sodium 34.16 mmol/L Chloride 74.40 mmol/L Potassium 40.24 mmol/L Available Energy 723.8 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride D-glucose 250 mmol/L Sodium 25 mmol/L Chloride 65 mmol/L Potassium 40 mmol/L Available Energy 720 kJ/L
1000 mL	5% Dextrose and Quarter Strength Sodium Chloride Inj.	D-glucose and Sodium Chloride Inj. D-glucose 252.3 mmol/L Sodium 38.5 mmol/L Chloride 38.5 mmol/L Available Energy 723.8 kJ/L	D-glucose and Sodium Chloride Inj. D-glucose 250 mmol/L Sodium 50 mmol/L Chloride 50 mmol/L Available Energy 720 kJ/L
500 mL	5% Dextrose and Quarter Strength Sodium Chloride Inj.	D-glucose and Sodium Chloride Inj. D-glucose 252.3 mmol/L 126.2 mmol/500 mL Sodium 38.5 mmol/L 19.25 mmol/500 mL Chloride 38.5 mmol/L 19.25 mmol/500 mL Available Energy 362.05 kJ/500 mL	D-glucose and Sodium Chloride Inj. D-glucose 250 mmol/L 125 mmol/500 mL Sodium 50 mmol/L 25 mmol/500 mL Chloride 50 mmol/L 25 mmol/500 mL Available Energy 360 kJ/500 mL
1000 mL	5% Dextrose and 0.45% Sodium Chloride USP	D-glucose and Sodium Chloride Inj. D-glucose 252.3 mmol/L Sodium 76.87 mmol/L Chloride 76.87 mmol/L Available Energy 723.8 kJ/L	D-glucose and Sodium Chloride Inj. D-glucose 250 mmol/L Sodium 75 mmol/L Chloride 75 mmol/L Available Energy 720 kJ/L
500 mL	5% Dextrose and 0.45% Sodium Chloride USP	D-glucose and Sodium Chloride Inj. D-glucose 252.3 mmol/L 126.2 mmol/500 mL Sodium 76.87 mmol/L 38.44 mmol/500 mL Chloride 76.87 mmol/L 38.44 mmol/500 mL Available Energy 362.05 kJ/500 mL	D-glucose and Sodium Chloride Inj. D-glucose 250 mmol/L 125 mmol/500 mL Sodium 75 mmol/L 37.5 mmol/500 mL Chloride 75 mmol/L 37.5 mmol/500 mL Available Energy 360 kJ/500 mL
1000 mL	5% Dextrose, 0.45% Sodium Chloride and 20 mmol Potassium Chloride Inj.	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 252.3 mmol/L Sodium 76.87 mmol/L Chloride 96.988 mmol/L Potassium 20.118 mmol/L Available Energy 723.8 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 250 mmol/L Sodium 75 mmol/L Chloride 95 mmol/L Potassium 20 mmol/L Available Energy 720 kJ/L

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL	5% Dextrose, 0.45% Sodium Chloride and 40 mmol Potassium Chloride Inj.	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 252.3 mmol/L Sodium 76.87 mmol/L Chloride 117.11 mmol/L Potassium 40.24 mmol/L Available Energy 723.8 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride Inj. D-glucose 250 mmol/L Sodium 75 mmol/L Chloride 115 mmol/L Potassium 40 mmol/L Available Energy 720 kJ/L
1000 mL	2/3 Dextrose 5% 1/3 Saline	D-glucose and Sodium Chloride D-glucose 168.04 mmol/L Sodium 51.25 mmol/L Chloride 51.25 mmol/L Available Energy 482.2 kJ/L	D-glucose and Sodium Chloride D-glucose 160 mmol/L Sodium 50 mmol/L Chloride 50 mmol/L Available Energy 460 kJ/L
1000 mL	2/3 Dextrose 5% 1/3 Saline and 20 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride D-glucose 168.04 mmol/L Sodium 51.25 mmol/L Chloride 71.368 mmol/L Potassium 20.118 mmol/L Available Energy 42.2 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride D-glucose 160 mmol/L Sodium 50 mmol/L Chloride 70 mmol/L Potassium 20 mmol/l Available Energy 460 kJ/L
1000 mL	2/3 Dextrose 5% 1/3 Saline and 40 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride D-glucose 168.04 mmol/L Sodium 51.25 mmol/L Chloride 91.49 mmol/L Potassium 40.24 mmol/L Available Energy 482.2 kJ/L	D-glucose, Sodium Chloride, Potassium Chloride D-glucose 160 mmol/L Sodium 50 mmol/l Chloride 90 mmol/L Potassium 40 mmol/l Available Energy 460 kJ/L
1000 mL	5 % Dextrose and 0.9 % Sodium Chloride Inj. USP	D-glucose, Sodium Chloride D-glucose 252.3 mmol/L Sodium 154 mmol/L Chloride 154 mmol/L Available Energy 723.8 kJ/L	D-glucose, Sodium Chloride D-glucose 250 mmol/L Sodium 150 mmol/L Chloride 150 mmol/L Available Energy 720 kJ/L
500 mL	5 % Dextrose and 0.9 % Sodium Chloride Inj. USP	D-glucose and Sodium Chloride D-glucose 252.3 mmol/L 126.2 mmol/500 mL Sodium 154 mmol/L 77 mmol/500 mL Chloride 154 mmol/L 77 mmol/500 mL Available Energy 362.05 kJ/500 mL	D-glucose and Sodium Chloride D-glucose 250 mmol/L 125 mmol/500 mL Sodium 150 mmol/L 75 mmol/500 mL Chloride 150 mmol/L 75 mmol/500 mL Available Energy 360 kJ/500 mL
250 mL	5% Dextrose and 0.9% Sodium Chloride Inj. USP	D-glucose and Sodium Chloride D-glucose 252.3 mmol/L 63.1 mmol/250 mL Sodium 154 mmol/L 38.5 mmol/250 mL Chloride 154 mmol/l 38.5 mmol/250 mL Available Energy 181.02 kJ/250 mL	D-glucose and Sodium Chloride D-glucose 250 mmol/L 62.5 mmol/250 mL Sodium 150 mmol/L 37.5 mmol/250 mL Chloride 150 mmol/L 37.5 mmol/250 mL Available Energy 180 kJ/250 mL
VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL	5% Dextrose, 0.9% Sodium Chloride and 20 mmol Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride	D-glucose, Sodium Chloride, Potassium Chloride

1000 mL	5% Dextrose, 0.9% Sodium Chloride and 40 mmol Potassium Chloride	D-glucose	252.3 mmol/L	D-glucose	250 mmol/L
		Sodium Chloride	174.118 mmol/L	Sodium Chloride	170 mmol/L
1000 mL	5% Dextrose and Electrolyte No. 75 Inj.	Potassium	20.118 mmol/L	Potassium	20 mmol/L
		Available Energy	723.8 kJ/L	Available Energy	720 kJ/L
1000 mL	10% Dextrose and 0.9% Sodium Chloride USP	D-glucose, Sodium Chloride, Potassium Chloride		D-glucose, Sodium Chloride, Potassium Chloride	
		D-glucose	252.3 mmol/L	D-glucose	250 mmol/L
500 mL	10% Dextrose and 0.9% Sodium Chloride	Sodium	154 mmol/L	Sodium	150 mmol/L
		Chloride	194.24 mmol/L	Chloride	190 mmol/L
500 mL	Lactate 1-2-3 Solution	Potassium	40.24 mmol/L	Potassium	40 mmol/L
		Available Energy	723.8 kJ/L	Available Energy	720 kJ/L
500 mL	Lactate 1-2-3 Solution	D-glucose and Electrolytes		D-glucose and Electrolytes	
		D-glucose	252.3 mmol/L	D-glucose	250 mmol/L
500 mL	Lactate 1-2-3 Solution	Sodium	40.13 mmol/L	Sodium	50 mmol/L
		Chloride	47.99 mmol/L	Chloride	60 mmol/L
500 mL	Lactate 1-2-3 Solution	Potassium	34.84 mmol/L	Potassium	35 mmol/L
		Lactate	19.63 mmol/L	Lactate	20 mmol/L
500 mL	Lactate 1-2-3 Solution	Phosphate	7.35 mmol/L	Phosphate	7.5 mmol/L
		Available Energy	723.8 kJ/L	Available Energy	720 kJ/L
500 mL	Lactate 1-2-3 Solution	D-glucose and Sodium Chloride		D-glucose and Sodium Chloride	
		D-glucose	504.6 mmol/L	D-glucose	500 mmol/L
500 mL	Lactate 1-2-3 Solution	Sodium	154 mmol/L	Sodium	150 mmol/L
		Chloride	154 mmol/L	Chloride	150 mmol/L
500 mL	Lactate 1-2-3 Solution	Available Energy	1447.62 kJ/L	Available Energy	1440 kJ/L
		D-glucose and Sodium Chloride		D-glucose and Sodium Chloride	
500 mL	Lactate 1-2-3 Solution	D-glucose	504.6 mmol/L	D-glucose	500 mmol/L
		Sodium	252.3 mmol/500 mL	Sodium	250 mmol/500 mL
500 mL	Lactate 1-2-3 Solution	Chloride	154 mmol/L	Chloride	150 mmol/L
		Available Energy	723.81 kJ/500 mL	Available Energy	720 kJ/500 mL
500 mL	Lactate 1-2-3 Solution	D-glucose, Sodium Chloride, Sodium Lactate		D-glucose, Sodium Chloride, Sodium Lactate	
		D-glucose	126.15 mmol/L	D-glucose	125 mmol/L
500 mL	Lactate 1-2-3 Solution	Sodium	63.08 mmol/500 mL	Sodium	62.5 mmol/500 mL
		Chloride	78.91 mmol/L	Chloride	75 mmol/L
500 mL	Lactate 1-2-3 Solution	Lactate	39.46 mmol/500 mL	Lactate	37.5 mmol/500 mL
		Available Energy	181.04 kJ/500 mL	Available Energy	180 kJ/500 mL
500 mL	Lactate 1-2-3 Solution	Chloride	51.25 mmol/L	Chloride	45 mmol/L
		Lactate	25.63 mmol/500 mL	Lactate	27.5 mmol/500 mL
500 mL	Lactate 1-2-3 Solution	Lactate	27.66 mmol/L	Lactate	30 mmol/L
		Available Energy	181.04 kJ/500 mL	Available Energy	180 kJ/500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
500 mL	Lactate, Chloride, Dextrose, Inj.	D-glucose, Sodium Chloride, Sodium Lactate Inj. D-glucose 126.15 mmol/L 63.08 mmol/500 mL Sodium 78.91 mmol/L 39.46 mmol/500 mL Chloride 51.25 mmol/L 25.63 mmol/500 mL Lactate 27.66 mmol/L 13.83 mmol/500 mL Available Energy 181.04 kJ/500 mL	D-glucose, Sodium Chloride, Sodium Lactate Inj. D-glucose 125 mmol/L 62.5 mmol/500 mL Sodium 75 mmol/L 37.5 mmol/500 mL Chloride 45 mmol/L 27.5 mmol/500 mL Lactate 30 mmol/L 15 mmol/500 mL Available Energy 180 kJ/500 mL
1000 mL	Lactated Ringer's Inj. and 5% Dextrose	D-glucose, Sodium Lactate, Electrolytes D-glucose 252.3 mmol/L Sodium 130.15 mmol/L Chloride 107.87 mmol/L Lactate 27.66 mmol/L Calcium 1.36 mmol/L Available Energy 723.8 kJ/L	D-glucose, Sodium Lactate, Electrolytes D-glucose 250 mmol/L Sodium 130.15 mmol/L Chloride 107.87 mmol/L Lactate 28 mmol/L Calcium 1.4 mmol/L Available Energy 720 kJ/L
500 mL	Lactated Ringer's Inj. and 5% Dextrose	D-glucose, Sodium Lactate, Electrolytes D-glucose 252.3 mmol/L 126.2 mmol/500 mL Sodium 130.15 mmol/L 65.08 mmol/500 mL Chloride 107.87 mmol/L 53.94 mmol/500 mL Lactate 27.66 mmol/L 13.84 mmol/500 mL Calcium 1.36 mmol/L 0.68 mmol/500 mL Available Energy 362.05 kJ/500 mL	D-glucose, Sodium Lactate, Electrolytes D-glucose 250 mmol/L 125 mmol/500 mL Sodium 130.15 mmol/L 65.08 mmol/500 mL Chloride 107.87 mmol/L 53.94 mmol/500 mL Lactate 28 mmol/L 14 mmol/500 mL Calcium 1.4 mmol/L 0.7 mmol/500 mL Available Energy 360 kJ/500 mL
(Sodium and chloride concentrations have not been changed in solutions of Ringer's lactate because they are solutions of quite specific concentrations, recognizable for			
1000 mL	Normosol M (Dextrose 5%)	D-glucose and Electrolytes D-glucose 252.3 mmol/L Sodium 41.55 mmol/L Chloride 39.97 mmol/L Potassium 13.04 mmol/L Acetate 15.56 mmol/L Magnesium 2.52 mmol/L Bisulphite 1.58 mmol/L Available Energy 723.8 kJ/L	D-glucose and Electrolytes D-glucose 250 mmol/L Sodium 50 mmol/L Chloride 50 mmol/L Potassium 13 mmol/L Acetate 16 mmol/L Magnesium 2.5 mmol/L Bisulphite 1.6 mmol/L Available Energy 720 kJ/L

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
500 mL	Normosol M (Dextrose 5%)	D-glucose and Electrolytes		D-glucose and Electrolytes	
		D-glucose	252.3 mmol/L 126.2 mmol/500 mL	D-glucose	250 mmol/L 125 mmol/500 mL
		Sodium	41.55 mmol/L 20.78 mmol/500 mL	Sodium	50 mmol/L 25 mmol/500 mL
		Chloride	39.97 mmol/L 19.99 mmol/500 mL	Chloride	50 mmol/L 25 mmol/500 mL
		Potassium	13.04 mmol/L 6.52 mmol/500 mL	Potassium	13 mmol/L 6.5 mmol/500 mL
		Acetate	15.56 mmol/L 7.78 mmol/500 mL	Acetate	16 mmol/L 8 mmol/500 mL
		Magnesium	2.52 mmol/L 1.26 mmol/500 mL	Magnesium	2.5 mmol/L 1.3 mmol/500 mL
		Bisulphite	1.58 mmol/L 0.79 mmol/500 mL	Bisulphite	1.6 mmol/L 0.8 mmol/500 mL
		Available Energy	362.05 kJ/500 mL	Available Energy	360 kJ/500 mL
		1000 mL	Normosol R (Dextrose 5%)	D-glucose and Electrolytes	
D-glucose	252.3 mmol/L			D-glucose	250 mmol/L
Sodium	141.5 mmol/L			Sodium	150 mmol/L
Chloride	96.28 mmol/L			Chloride	105 mmol/L
Acetate	27.06 mmol/L			Acetate	28 mmol/L
Gluconate	23.01 mmol/L			Gluconate	24 mmol/L
Potassium	4.96 mmol/L			Potassium	5.0 mmol/L
Magnesium	1.47 mmol/L			Magnesium	1.5 mmol/L
Bisulphite	1.58 mmol/L			Bisulphite	1.6 mmol/L
Available Energy	723.8 kJ/L			Available Energy	720 kJ/L
500 mL	Normosol R (Dextrose 5%)	D-glucose and Electrolytes		D-glucose and Electrolytes	
		D-glucose	252.3 mmol/L 126.2 mmol/500 mL	D-glucose	250 mmol/L 125 mmol/500 mL
		Sodium	141.5 mmol/L 70.75 mmol/500 mL	Sodium	150 mmol/L 75 mmol/500 mL
		Chloride	96.28 mmol/L 48.14 mmol/500 mL	Chloride	105 mmol/L 52.5 mmol/500 mL
		Acetate	27.06 mmol/L 13.53 mmol/500 mL	Acetate	28 mmol/L 14 mmol/500 mL
		Gluconate	23.01 mmol/L 11.56 mmol/500 mL	Gluconate	24 mmol/L 12 mmol/500 mL
		Potassium	4.96 mmol/L 2.48 mmol/500 mL	Potassium	5.0 mmol/L 2.5 mmol/500 mL
		Magnesium	1.47 mmol/L 0.74 mmol/500 mL	Magnesium	1.5 mmol/L 0.8 mmol/500 mL
		Bisulphite	1.58 mmol/L 0.79 mmol/500 mL	Bisulphite	1.6 mmol/L 0.8 mmol/500 mL
		Available Energy	362.05 kJ/500 mL	Available Energy	360 kJ/500 mL
1000 mL	Plasma-Lyte 56 Electrolyte Solution and 5% Dextrose Inj.	D-glucose and Electrolytes		D-glucose and Electrolytes	
		D-glucose	252.3 mmol/L	D-glucose	250 mmol/L
		Sodium	39.97 mmol/L	Sodium	50 mmol/L
		Chloride	39.97 mmol/L	Chloride	50 mmol/L
		Potassium	13.04 mmol/L	Potassium	13 mmol/L
		Acetate	14.53 mmol/L	Acetate	14 mmol/L
		Magnesium	1.49 mmol/L	Magnesium	1.5 mmol/L
		Available Energy	723.8 kJ/L	Available Energy	720 kJ/L

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
500 mL	Plasma-Lyte 56 Electrolyte Solution and 5% Dextrose Inj.	D-glucose and Electrolytes		D-glucose and Electrolytes	
		D-glucose	252.3 mmol/L 126.2 mmol/500 mL	D-glucose	250 mmol/L 125 mmol/500 mL
		Sodium	39.97 mmol/L 19.99 mmol/500 mL	Sodium	50 mmol/L 25 mmol/500 mL
		Chloride	39.97 mmol/L 19.99 mmol/500 mL	Chloride	50 mmol/L 25 mmol/500 mL
		Potassium	13.04 mmol/L 6.52 mmol/500 mL	Potassium	13 mmol/L 6.5 mmol/500 mL
		Acetate	14.53 mmol/L 7.27 mmol/500 mL	Acetate	14 mmol/L 7 mmol/500 mL
		Magnesium	1.49 mmol/L 0.75 mmol/500 mL	Magnesium	1.5 mmol/L 0.75 mmol/500 mL
		Available Energy	362.05 kJ/500 mL	Available Energy	360 kJ/500 mL
1000 mL	Plasma-Lyte 148 Electrolyte Solution and 5% Dextrose Inj.	D-glucose and Electrolytes		D-glucose and Electrolytes	
		D-glucose	252.3 mmol/L	D-glucose	250 mmol/L
		Sodium	139.9 mmol/L	Sodium	150 mmol/L
		Chloride	96.28 mmol/L	Chloride	105 mmol/L
		Potassium	4.95 mmol/L	Potassium	5.0 mmol/L
		Gluconate	23.01 mmol/L	Gluconate	23 mmol/L
		Acetate	27.04 mmol/L	Acetate	27 mmol/L
		Magnesium	1.47 mmol/L	Magnesium	1.5 mmol/L
Available Energy	723.8 kJ/L	Available Energy	720 kJ/L		
^aFat Emulsions (Soybean oil, safflower oil, phospholipid and glycerin)					
500 mL	Intralipid 10%	Fat Emulsion	100 g/L 50 g/500 mL	Fat Emulsion	100 g/L 50 g/500 mL
100 mL	Intralipid 10%	Available Energy	2301.2 kJ/500 mL	Available Energy	2300 kJ/500 mL
		Fat Emulsion	100 g/L 10 g/100 mL	Fat Emulsion	100 g/L 10 g/100 mL
500 mL	Intralipid 20%	Available Energy	460.24 kJ/100 mL	Available Energy	460 kJ/100 mL
		Fat Emulsion	200 g/L 100 g/500 mL	Fat Emulsion	200 g/L 100 g/500 mL
100 mL	Intralipid 20%	Available Energy	4184 kJ/500 mL	Available Energy	4190 kJ/500 mL
		Fat Emulsion	200 g/L 20 g/100 mL	Fat Emulsion	200 g/L 20 g/100 mL
500 mL	Liposyn 10%	Available Energy	836.8 kJ/100 mL	Available Energy	840 kJ/100 mL
		Fat Emulsion	100 g/L 50 g/500 mL	Fat Emulsion	100 g/L 50 g/500 mL
200 mL	Liposyn 10%	Available Energy	2301.2 kJ/500 mL	Available Energy	2300 kJ/500 mL
		Fat Emulsion	100 g/L 20 g/200 mL	Fat Emulsion	100 g/L 20 mg/200 mL
^a NOTE: -	Each mL of the 100 g/L solution provides 4.6 (4.624) kJ of energy. Each mL of the 200 g/L solution provides 8.4 (8.368) kJ of energy.				

VOLUME	CURRENT NAME	SOFT CONVERSION		HARD CONVERSION	
500 mL	Liposyn 20%	Fat emulsion	200 g/L 100 g/500 mL	Fat emulsion	200 g/L 100 g/500 mL
200 mL	Liposyn 20%	Available Energy Fat emulsion	4184 kJ/500 mL 200 g/L 40 g/200 mL	Available Energy Fat emulsion	4180 kJ/500 mL 200 g/L 40 g/200 mL
500 mL	Nutralipid 10%	Available Energy Fat emulsion	1673.6 kJ/200 mL 100 g/L 50 g/500 mL	Available Energy Fat emulsion	1670 kJ/200 mL 100 g/L 50 g/500 mL
100 mL	Nutralipid 10%	Available Energy Fat emulsion	2301.2 kJ/500 mL 100 g/L 10 g/100 mL	Available Energy Fat emulsion	2300 kJ/500 mL 100 g/L 10 g/100 mL
500 mL	Nutralipid 20%	Available Energy Fat emulsion	460.24 kJ/100 mL 200 g/L 100 g/500 mL	Available Energy Fat emulsion	460 kJ/100 mL 200 g/L 100 g/500 mL
100 mL	Nutralipid 20%	Available Energy Fat emulsion	4184 kJ/500 mL 200 g/L 20 g/100 mL	Available Energy Fat emulsion	4180 kJ/500 mL 200 g/L 20 g/100 mL
500 mL	Soyacal 10%	Available Energy Fat emulsion	836.8 kJ/100 mL 100 g/L 50 g/500 mL	Available Energy Fat emulsion	840.0 kJ/100 mL 100 g/L 50 g/500 mL
250 mL	Soyacal 10%	Available Energy Fat emulsion	2301.2 kJ/500 mL 100 g/L 25 g/250 mL	Available Energy Fat emulsion	2300 kJ/500 mL 100 g/L 25 g/250 mL
500 mL	Soyacal 20%	Available Energy Fat emulsion	1150.6 kJ/250 mL 200 g/L 100 g/500 mL	Available Energy Fat emulsion	1150 kJ/250 mL 200 g/L 100 g/500 mL
250 mL	Soyacal 20%	Available Energy Fat emulsion	4184 kJ/500 mL 200 g/L 50 g/250 mL	Available Energy Fat emulsion	4180 kJ/500 mL 200 g/L 50 g/250 mL
	Peritoneal Dialysis Solutions	Available Energy	2092 kJ/250 mL	Available Energy	2100 kJ/250 mL
750 mL	PD 101 with 1.5% Dextrose, Current Code JB5612	D-glucose and electrolytes peritoneal dialysis solution		D-glucose and electrolytes peritoneal dialysis solution	
		D-glucose	75.69 mmol/L 56.77 mmol/750 mL	D-glucose	80 mmol/L 60 mmol/750 mL
		Sodium	131.84 mmol/L 98.88 mmol/750 mL	Sodium	130 mmol/L 97.5 mmol/750 mL
		Chloride	101.61 mmol/L 76.21 mmol/750 mL	Chloride	100 mmol/L 75 mmol/750 mL
		Lactate	34.98 mmol/L 26.24 mmol/750 mL	Lactate	35 mmol/L 26 mmol/750 mL
		Calcium	1.626 mmol/L 1.22 mmol/750 mL	Calcium	1.6 mmol/L 1.2 mmol/750 mL
		Magnesium	0.748 mmol/L 0.559 mmol/750 mL	Magnesium	0.8 mmol/L 0.6 mmol/750 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION	N	
500 mL	PD 101 with 1.5% Dextrose, Current Code JB5611	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	75.69 mmol/L 37.845 mmol/500 mL	D-glucose	80 mmol/L 40 mmol/500 mL
		Sodium	131.84 mmol/L 65.92 mmol/500 mL	Sodium	130 mmol/L 65 mmol/500 mL
		Chloride	101.61 mmol/L 50.805 mmol/500 mL	Chloride	100 mmol/L 50 mmol/500 mL
		Lactate	34.98 mmol/L 17.49 mmol/500 mL	Lactate	35 mmol/L 18 mmol/500 mL
		Calcium	1.626 mmol/L 0.813 mmol/500 mL	Calcium	1.6 mmol/L 0.8 mmol/500 mL
		Magnesium	0.748 mmol/L 0.374 mmol/500 mL	Magnesium	0.80 mmol/L 0.40 mmol/500 mL
300 mL	PD 101 with 1.5% Dextrose, Current Code JB5610	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	75.69 mmol/L 22.707 mmol/300 mL	D-glucose	80 mmol/L 24 mmol/300 mL
		Sodium	131.84 mmol/L 39.552 mmol/300 mL	Sodium	130 mmol/L 43.3 mmol/300 mL
		Chloride	101.61 mmol/L 30.48 mmol/300 mL	Chloride	100 mmol/L 30 mmol/300 mL
		Lactate	34.98 mmol/L 10.444 mmol/300 mL	Lactate	35 mmol/L 11 mmol/300 mL
		Calcium	1.626 mmol/L 0.488 mmol/300 mL	Calcium	1.6 mmol/L 0.48 mmol/300 mL
		Magnesium	0.748 mmol/L 0.224 mmol/300 mL	Magnesium	0.80 mmol/L 0.24 mmol/300 mL
1500 mL	PD 101 with 2.5% Dextrose, Current Code JB5655 or JB4725	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	126.15 mmol/L 189.23 mmol/1500 mL	D-glucose	120 mmol/L 180 mmol/1500 mL
		Sodium	131.84 mmol/L 197.76 mmol/1500 mL	Sodium	130 mmol/L 195 mmol/1500 mL
		Chloride	101.61 mmol/L 152.42 mmol/1500 mL	Chloride	100 mmol/L 150 mmol/1500 mL
		Lactate	34.981 mmol/L 52.47 mmol/1500 mL	Lactate	35 mmol/L 53 mmol/1500 mL
		Calcium	1.626 mmol/L 2.44 mmol/1500 mL	Calcium	1.6 mmol/L 2.4 mmol/1500 mL
		Magnesium	0.748 mmol/L 1.122 mmol/1500 mL	Magnesium	0.8 mmol/L 1.2 mmol/1500 mL
1000 mL	PD 101 with 2.5% Dextrose, Current Code JB5653 or JB4724	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	126.15 mmol/L	D-glucose	120 mmol/L
		Sodium	131.84 mmol/L	Sodium	130 mmol/L
		Chloride	101.61 mmol/L	Chloride	100 mmol/L
		Lactate	34.98 mmol/L	Lactate	35 mmol/L
		Calcium	1.626 mmol/L	Calcium	1.6 mmol/L
		Magnesium	0.745 mmol/L	Magnesium	0.8 mmol/L

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
750 mL	PD 101 with 2.5% Dextrose, Current Code JB5652	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 94.61 mmol/750 mL Sodium 131.84 mmol/L 98.88 mmol/750 mL Chloride 101.6 mmol/L 76.21 mmol/750 mL Lactate 34.98 mmol/L 26.24 mmol/750 mL Calcium 1.626 mmol/L 1.22 mmol/750 mL Magnesium 0.745 mmol/L 0.559 mmol/750 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 90 mmol/750 mL Sodium 130 mmol/L 98 mmol/750 mL Chloride 100 mmol/L 75 mmol/750 mL Lactate 35 mmol/L 26 mmol/750 mL Calcium 1.6 mmol/L 1.2 mmol/750 mL Magnesium 0.8 mmol/L 0.6 mmol/750 mL
500 mL	PD 101 with 2.5% Dextrose, Current Code JB5651	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 63.075 mmol/500 mL Sodium 131.84 mmol/L 65.42 mmol/500 mL Chloride 101.61 mmol/L 50.805 mmol/500 mL Lactate 34.98 mmol/L 17.49 mmol/500 mL Calcium 1.626 mmol/L 0.813 mmol/500 mL Magnesium 0.748 mmol/L 0.374 mmol/500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 60 mmol/500 mL Sodium 130 mmol/L 65 mmol/500 mL Chloride 100 mmol/L 50 mmol/500 mL Lactate 35 mmol/L 18 mmol/500 mL Calcium 1.6 mmol/L 0.8 mmol/500 mL Magnesium 0.80 mmol/L 0.40 mmol/500 mL
300 mL	PD 101 with 2.5% Dextrose, Current Code JB5650	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 37.85 mmol/300 mL Sodium 131.84 mmol/L 39.554 mmol/300 mL Chloride 101.61 mmol/L 30.48 mmol/300 mL Lactate 34.98 mmol/L 10.494 mmol/300 mL Calcium 1.6262 mmol/L 0.488 mmol/300 mL Magnesium 0.748 mmol/L 0.224 mmol/300 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 36 mmol/300 mL Sodium 130 mmol/L 43.3 mmol/300 mL Chloride 100 mmol/L 30 mmol/300 mL Lactate 35 mmol/L 11 mmol/300 mL Calcium 1.6 mmol/L 0.48 mmol/300 mL Magnesium 0.80 mmol/L 0.25 mmol/300 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
2000 mL	PD 101 with 4.25% Dextrose, Current Code JB5666 JB4824 JB4737 JB5941	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 428.92 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.6 mmol/L 203.2 mmol/2000 mL Lactate 34.98 mmol/L 69.96 mmol/2000 mL Calcium 1.626 mmol/L 3.252 mmol/2000 mL Magnesium 0.745 mmol/L 1.49 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 400 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL Magnesium 0.8 mmol/L 1.6 mmol/2000 mL
750 mL	PD 101 with 4.25% Dextrose, Current Code JB5662	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 160.85 mmol/750 mL Sodium 131.84 mmol/L 98.88 mmol/750 mL Chloride 101.6 mmol/L 76.21 mmol/750 mL Lactate 34.98 mmol/L 26.24 mmol/750 mL Calcium 1.626 mmol/L 1.22 mmol/750 mL Magnesium 0.745 mmol/L 0.554 mmol/750 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 150 mmol/750 mL Sodium 130 mmol/L 98 mmol/750 mL Chloride 100 mmol/L 75 mmol/750 mL Lactate 35 mmol/L 26 mmol/750 mL Calcium 1.6 mmol/L 1.2 mmol/750 mL Magnesium 0.8 mmol/L 0.6 mmol/750 mL
500 mL	PD 101 with 4.25% Dextrose, Current Code JB5661	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 107.23 mmol/500 mL Sodium 131.88 mmol/L 65.92 mmol/500 mL Chloride 101.61 mmol/L 50.805 mmol/500 mL Lactate 34.98 mmol/L 17.49 mmol/500 mL Calcium 1.626 mmol/L 0.813 mmol/500 mL Magnesium 0.748 mmol/L 0.374 mmol/500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 100 mmol/500 mL Sodium 130 mmol/L 65 mmol/500 mL Chloride 100 mmol/L 50 mmol/500 mL Lactate 35 mmol/L 18 mmol/500 mL Calcium 1.6 mmol/L 0.8 mmol/500 mL Magnesium 0.80 mmol/L 0.40 mmol/500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
300 mL	PD 101 with 4,25% Dextrose, Current Code JB5660	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 64.34 mmol/300 mL Sodium 131.84 mmol/L 39.552 mmol/300 mL Chloride 101,61 mmol/L 29.769 mmol/300 mL Lactate 34.98 mmol/L 10.444 mmol/300 mL Calcium 1.626 mmol/L 0.488 mmol/300 mL Magnesium 0.748 mmol/L 0.224 mmol/300 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 60 mmol/300 mL Sodium 130 mmol/L 39 mmol/300 mL Chloride 100 mmol/L 30 mmol/300 mL Lactate 35 mmol/L 11 mmol/300 mL Calcium 1.6 mmol/L 0.48 mmol/300 mL Magnesium 0.80 mmol/L 0.24 mmol/300 mL
2000 mL	PD 101 with 1.5% Dextrose, Current Code JB4822 JB4716 JB5939	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 151.38 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.35 mmol/L 202.70 mmol/2000 mL Lactate 34.98 mmol/L 69.96 mmol/2000 mL Calcium 1.5 mmol/L 3.0 mmol/2000 mL Magnesium 0.748 mmol/L 1.496 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 160 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL Magnesium 0.8 mmol/L 1.6 mmol/2000 mL
1000 mL	PD 101 with 1.5% Dextrose, Current Code JB5613 JB4713	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 Sodium 131.84 mmol/L Chloride 101.35 mmol/L Calcium 1.5 mmol/L Magnesium 0.748 mmol/L	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L Sodium 130 mmol/L Chloride 100 mmol/L Calcium 1.6 mmol/L Magnesium 0.80 mmol/L
2000 mL	PD 101 with 0.5% Dextrose, Current Code JB4821 JB4706 JB5938	D-glucose and electrolytes peritoneal dialysis solution D-glucose 25.23 mmol/L 50.46 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.35 mmol/L 202.70 mmol/2000 mL Lactate 34.98 mmol/L 69.96 mmol/2000 mL Calcium 1.5 mmol/L 3.0 mmol/2000 mL Magnesium 0.748 mmol/L 1.496 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 30 mmol/L 60 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL Magnesium 0.8 mmol/L 1.6 mmol/2000 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
3000 mL	PD 102 with 1.5% Dextrose, Current Code JB5501	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 227.07 mmol/3000 mL Sodium 131.882 mmol/L 395.646 mmol/3000 mL Chloride 96.895 mmol/L 290.685 mmol/3000 mL Lactate 39.979 mmol/L 119.937 mmol/3000 mL Calcium 1.748 mmol/L 5.244 mmol/3000 mL Magnesium 0.748 mmol/L 2.244 mmol/3000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 240 mmol/3000 mL Sodium 130 mmol/L 390 mmol/3000 mL Chloride 95 mmol/L 285 mmol/3000 mL Lactate 40 mmol/L 120 mmol/3000 mL Calcium 1.6 mmol/L 4.8 mmol/3000 mL Magnesium 0.8 mmol/L 2.4 mmol/3000 mL
3000 mL	PD 102 with 4.25% Dextrose Current Code JB5505	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 643.38 mmol/3000 mL (Electrolytes are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 600 mmol/3000 mL
2000 mL	PD 101 with 1.5% Dextrose, Current Code JB4822 JB4716 JB5939	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 151.38 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.61 mmol/L 202.70 mmol/2000 mL Lactate 34.98 mmol/L 69.96 mmol/2000 mL Calcium 1.626 mmol/L 3.252 mmol/2000 mL Magnesium 0.748 mmol/L 1.496 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 160 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL Magnesium 0.8 mmol/L 1.6 mmol/2000 mL
1500 mL	PD 101 with 1.5% Dextrose, Current Code JB5615 JB4715	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 113.535 mmol/1500 mL Sodium 131.84 mmol/L 197.76 mmol/1500 mL Chloride 101.61 mmol/L 152.42 mmol/1500 mL Lactate 34.981 mmol/L 52.47 mmol/1500 mL Calcium 1.626 mmol/L 2.44 mmol/1500 mL Magnesium 0.748 mmol/L 1.122 mmol/1500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 120 mmol/1500 mL Sodium 130 mmol/L 195 mmol/1500 mL Chloride 100 mmol/L 150 mmol/1500 mL Lactate 35 mmol/L 53 mmol/1500 mL Calcium 1.6 mmol/L 2.4 mmol/1500 mL Magnesium 0.8 mmol/L 1.2 mmol/1500 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
1000 mL	PD 101 with 1.5% Dextrose, Current Code JB5613 JB4713	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L Sodium 131.84 mmol/L Chloride 101.61 mmol/L Lactate 34.981 mmol/L Calcium 1.6262 mmol/L	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L Sodium 130 mmol/L Chloride 100 mmol/L Lactate 35 mmol/L Calcium 1.6 mmol/L
2000 mL	PD 101 with 2.5% Dextrose, Current Code JB4823 JB4727 JB5940	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 252.30 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.61 mmol/L 203.22 mmol/2000 mL Lactate 34.981 mmol/L 69.962 mmol/2000 mL Calcium 1.626 mmol/L 3.252 mmol/2000 mL Magnesium 0.748 mmol/L 1.596 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 240 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL Magnesium 0.8 mmol/L 1.6 mmol/2000 mL
1500 mL	PD 101 with 4.25% Dextrose, Current Code JB5665 JB4735	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 321.69 mmol/1500 mL Sodium 131.84 mmol/L 197.76 mmol/1500 mL Chloride 101.61 mmol/L 152.42 mmol/1500 mL Lactate 34.981 mmol/L 52.47 mmol/1500 mL Calcium 1.626 mmol/L 2.44 mmol/1500 mL Magnesium 0.748 mmol/L 1.122 mmol/1500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 300 mmol/1500 mL Sodium 130 mmol/L 195 mmol/1500 mL Chloride 100 mmol/L 150 mmol/1500 mL Lactate 35 mmol/L 53 mmol/1500 mL Calcium 1.6 mmol/L 2.4 mmol/1500 mL Magnesium 0.8 mmol/L 1.2 mmol/1500 mL
1000 mL	PD 101 with 4.25% Dextrose, Current Code JB5664 JB4734	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L Sodium 131.84 mmol/L Chloride 101.61 mmol/L Lactate 34.981 mmol/L Calcium 1.626 mmol/L Magnesium 0.748 mmol/L Lactate 34.981 mmol/L	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L Sodium 130 mmol/L Chloride 100 mmol/L Lactate 35 mmol/L Calcium 1.6 mmol/L Magnesium 0.8 mmol/L Lactate 35 mmol/L

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION		
2000 mL	PD 101 with 0.5% Dextrose, Current Code JB4706 JB4821 JB5938	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	25.23 mmol/L 50.46 mmol/2000 mL	D-glucose	30 mmol/L 60 mmol/2000 mL
		Sodium	131.84 mmol/L 263.68 mmol/2000 mL	Sodium	130 mmol/L 260 mmol/2000 mL
		Chloride	101.61 mmol/L 203.22 mmol/2000 mL	Chloride	100 mmol/L 200 mmol/2000 mL
		Lactate	34.981 mmol/L 69.962 mmol/2000 mL	Lactate	35 mmol/L 70 mmol/2000 mL
		Calcium	1.626 mmol/L 3.252 mmol/2000 mL	Calcium	1.6 mmol/L 3.2 mmol/2000 mL
		Magnesium	0.748 mmol/L 1.596 mmol/2000 mL	Magnesium	0.8 mmol/L 1.6 mmol/2000 mL
		1500 mL	PD 101 with 0.5% Dextrose, Current Code JB4705	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution
D-glucose	25.23 mmol/L 37.845 mmol/1500 mL			D-glucose	30 mmol/L 45 mmol/1500 mL
Sodium	131.84 mmol/L 197.76 mmol/1500 mL			Sodium	130 mmol/L 195 mmol/1500 mL
Chloride	101.61 mmol/L 152.42 mmol/1500 mL			Chloride	100 mmol/L 150 mmol/1500 mL
Lactate	34.981 mmol/L 52.47 mmol/1500 mL			Lactate	35 mmol/L 53 mmol/1500 mL
Calcium	1.626 mmol/L 2.44 mmol/1500 mL			Calcium	1.6 mmol/L 2.4 mmol/1500 mL
Magnesium	0.748 mmol/L 1.122 mmol/1500 mL			Magnesium	0.8 mmol/L 1.2 mmol/1500 mL
1000 mL	PD 101 with 1.5% Dextrose, Current Code JB5613 JB4713			D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution
		D-glucose	75.69 mmol/L	D-glucose	80 mmol/L
		Sodium	131.84 mmol/L	Sodium	130 mmol/L
		Chloride	101.61 mmol/L	Chloride	100 mmol/L
		Lactate	34.98 mmol/L	Lactate	35 mmol/L
		Calcium	1.626 mmol/L	Calcium	1.6 mmol/L
		Magnesium	0.748 mmol/L	Magnesium	0.80 mmol/L
		2000 mL	PD 101 with 0.5% Dextrose, with custom converter) Current Code JB4821 JB4706 JB5938	D-glucose and electrolytes peritoneal dialysis solution (with custom converter)	D-glucose and electrolytes peritoneal dialysis solution (with custom converter)
D-glucose	25.231 mmol/L 50.462 mmol/2000 mL			D-glucose	30 mmol/L 60 mmol/2000 mL
Sodium	131.84 mmol/L 263.68 mmol/2000 mL			Sodium	130 mmol/L 260 mmol/2000 mL
Chloride	101.61 mmol/L 203.22 mmol/2000 mL			Chloride	100 mmol/L 200 mmol/2000 mL
Lactate	34.98 mmol/L 69.86 mmol/2000 mL			Lactate	35 mmol/L 70 mmol/2000 mL
Calcium	1.626 mmol/L 3.252 mmol/2000 mL			Calcium	1.6 mmol/L 3.2 mmol/2000 mL
Magnesium	0.745 mmol/L 1.490 mmol/2000 mL			Magnesium	0.8 mmol/L 1.6 mmol/2000 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
2000 mL	PD 101 with 1.5% Dextrose, (with custom converter) Current Code JB4822 JB4716 JB5939	D-glucose and electrolytes peritoneal dialysis solution (with custom converter) D-glucose 75.69 mmol/L 151.38 mmol/2000 mL (Electrolyte concentrations are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution (with custom converter) D-glucose 80 mmol/L 160 mmol/2000 mL
2000 mL	PD 101 with 2.5% Dextrose, (with custom converter) Current Code JB4823 JB4727 JB5940	D-glucose and electrolytes peritoneal dialysis solution (with custom converter) D-glucose 126.15 mmol/L 252.30 mmol/2000 mL (Electrolyte concentrations are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution (with custom converter) D-glucose 120 mmol/L 240 mmol/2000 mL
2000 mL	PD 105 with 1.5% Dextrose, Current Code JB5540	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 151.38 mmol/2000 mL Sodium 136.837 mmol/L 273.674 mmol/2000 mL Chloride 100.61 mmol/L 201.22 mmol/2000 mL Lactate 39.98 mmol/L 79.96 mmol/2000 mL Calcium 1.626 mmol/L 3.252 mmol/2000 mL Magnesium 0.2498 mmol/L 0.4996 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 160 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 95 mmol/L 190 mmol/2000 mL Lactate 40 mmol/L 80 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL Magnesium 0.2 mmol/L 0.4 mmol/2000 mL
2000 mL	PD 105 with 2.5% Dextrose, Current Code JB5541	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 252.30 mmol/2000 mL (Electrolyte concentrations are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 240 mmol/2000 mL
2000 mL	PD 104 with 4.25% Dextrose Current Code JB5542	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 428.92 mmol/2000 mL (Electrolyte concentrations are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 400 mmol/2000 mL
1000 mL	PD 104 with 0.5% Dextrose, Current Code JB5530	D-glucose and electrolytes peritoneal dialysis solution D-glucose 25.23 mmol/L Sodium 135.1 mmol/L Chloride 103.12 mmol/L Lactate 34.53 mmol/L Calcium 1.768 mmol/L Magnesium 0.738 mmol/L	D-glucose and electrolytes peritoneal dialysis solution D-glucose 30 mmol/L Sodium 130 mmol/L Chloride 100 mmol/L Lactate 35 mmol/L Calcium 1.6 mmol/L Magnesium 0.8 mmol/L

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
2000 mL	PD 103 with 1.5% Dextrose, Current Code JB5521 JB5987	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 151.38 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.61 mmol/L 203.22 mmol/2000 mL Lactate 34.98 mmol/L 69.76 mmol/2000 mL Calcium 1.5 mmol/L 3.0 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 160 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL
2000 mL	PD 103 with 2.5% Dextrose, Current Code JB5522	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 252.30 mmol/2000 mL Sodium 131.84 mmol/L 263.68 mmol/2000 mL Chloride 101.61 mmol/L 203.22 mmol/2000 mL Lactate 34.98 mmol/L 69.96 mmol/2000 mL Calcium 1.5 mmol/L 3.0 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 240 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.6 mmol/L 3.2 mmol/2000 mL
2000 mL	PD 103 with 4.25% Dextrose, Current Code JB5523 JB5988	D-glucose and electrolytes, magnesium free D-glucose 214.46 mmol/L 428.92 mmol/2000 mL	D-glucose and electrolytes, magnesium free D-glucose 200 mmol/L 400 mmol/2000 mL
3000 mL	Inpersol with Dextrose 0.5% Peritoneal Dialysis Solution	(Electrolyte concentrations are the same as for the immediately preceding solution) D-glucose and electrolytes peritoneal dialysis solution D-glucose 25.231 mmol/L 75.693 mmol/3000 mL Sodium 130.98 mmol/L 392.94 mmol/3000 mL Chloride 100.99 mmol/L 302.97 mmol/3000 mL Lactate 34.981 mmol/L 104.943 mmol/3000 mL Calcium 1.75 mmol/L 5.25 mmol/3000 mL Magnesium 0.748 mmol/L 2.244 mmol/3000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 30 mmol/L 90 mmol/3000 mL Sodium 130 mmol/L 390 mmol/3000 mL Chloride 100 mmol/L 300 mmol/3000 mL Lactate 35 mmol/L 105 mmol/3000 mL Calcium 1.8 mmol/L 5.4 mmol/3000 mL Magnesium 0.7 mmol/L 2.1 mmol/3000 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION		
2000 mL	Inpersol with Dextrose 0.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	25.231 mmol/L 50.462 mmol/2000 mL	D-glucose	30 mmol/L 60 mmol/2000 mL
		Sodium	130.98 mmol/L 261.96 mmol/2000 mL	Sodium	130 mmol/L 260 mmol/2000 mL
		Chloride	100.99 mmol/L 201.98 mmol/2000 mL	Chloride	100 mmol/L 200 mmol/2000 mL
		Lactate	34.981 mmol/L 69.962 mmol/2000 mL	Lactate	35 mmol/L 70 mmol/2000 mL
		Calcium	1.75 mmol/L 3.50 mmol/2000 mL	Calcium	1.7 mmol/L 3.4 mmol/2000 mL
		Magnesium	0.748 mmol/L 1.496 mmol/2000 mL	Magnesium	0.7 mmol/L 1.4 mmol/2000 mL
1500 mL	Inpersol with Dextrose 0.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	25.231 mmol/L 37.845 mmol/1500 mL	D-glucose	30 mmol/L 45 mmol/1500 mL
		Sodium	130.98 mmol/L 196.47 mmol/1500 mL	Sodium	130 mmol/L 195 mmol/1500 mL
		Chloride	100.99 mmol/L 151.49 mmol/1500 mL	Chloride	100 mmol/L 150 mmol/1500 mL
		Lactate	34.981 mmol/L 52.47 mmol/1500 mL	Lactate	35 mmol/L 53 mmol/1500 mL
		Calcium	1.75 mmol/L 2.626 mmol/1500 mL	Calcium	1.7 mmol/L 2.5 mmol/1500 mL
		Magnesium	0.748 mmol/L 1.222 mmol/1500 mL	Magnesium	0.7 mmol/L 1.1 mmol/1500 mL
1000 mL	Inpersol with Dextrose 0.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	25.231 mmol/L	D-glucose	30 mmol/L
		Sodium	130.98 mmol/L	Sodium	130 mmol/L
		Chloride	100.99 mmol/L	Chloride	100 mmol/L
		Lactate	34.981 mmol/L	Lactate	35 mmol/L
		Calcium	1.75 mmol/L	Calcium	1.7 mmol/L
		Magnesium	0.748 mmol/L	Magnesium	0.7 mmol/L
3000 mL	Inpersol with Dextrose 1.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution	D-glucose and electrolytes peritoneal dialysis solution		
		D-glucose	75.69 mmol/L 227.07 mmol/3000 mL	D-glucose	80 mmol/L 240 mmol/3000 mL
		Sodium	130.98 mmol/L 392.94 mmol/3000 mL	Sodium	130 mmol/L 390 mmol/3000 mL
		Chloride	100.99 mmol/L 302.97 mmol/3000 mL	Chloride	100 mmol/L 300 mmol/3000 mL
		Lactate	34.981 mmol/L 104.983 mmol/3000 mL	Lactate	35 mmol/L 105 mmol/3000 mL
		Calcium	1.75 mmol/L 5.25 mmol/3000 mL	Calcium	1.7 mmol/L 5.1 mmol/3000 mL
		Magnesium	0.748 mmol/L 2.244 mmol/3000 mL	Magnesium	0.7 mmol/L 2.1 mmol/3000 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
2000 mL	Inpersol with Dextrose 1.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 151.38 mmol/2000 mL Sodium 130.98 mmol/L 261.96 mmol/2000 mL Chloride 100.99 mmol/L 201.98 mmol/2000 mL Lactate 34.981 mmol/L 69.962 mmol/2000 mL Calcium 1.75 mmol/L 3.50 mmol/2000 mL Magnesium 0.748 mmol/L 1.496 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 160 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.7 mmol/L 3.4 mmol/2000 mL Magnesium 0.7 mmol/L 1.4 mmol/2000 mL
1500 mL	Inpersol with Dextrose 1.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L 113.535 mmol/1500 mL Sodium 130.98 mmol/L 196.47 mmol/1500 mL Chloride 100.99 mmol/L 151.49 mmol/1500 mL Lactate 34.981 mmol/L 52.47 mmol/1500 mL Calcium 1.75 mmol/L 2.626 mmol/1500 mL Magnesium 0.748 mmol/L 1.222 mmol/1500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 80 mmol/L 120 mmol/1500 mL Sodium 130 mmol/L 195 mmol/1500 mL Chloride 100 mmol/L 150 mmol/1500 mL Lactate 35 mmol/L 53 mmol/1500 mL Calcium 1.7 mmol/L 2.6 mmol/1500 mL Magnesium 0.7 mmol/L 1.1 mmol/1500 mL
1000 mL	Inpersol with Dextrose 1.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 75.69 mmol/L (Electrolyte concentrations per litre are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution D-glucose 180 mmol/L
3000 mL	Inpersol with Dextrose 2.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 378.45 mmol/3000 mL Sodium 130.98 mmol/L 392.94 mmol/3000 mL Chloride 100.99 mmol/L 302.97 mmol/3000 mL Lactate 34.98 mmol/L 104.983 mmol/3000 mL Calcium 1.75 mmol/L 5.25 mmol/3000 mL Magnesium 0.748 mmol/L 2.244 mmol/3000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 360 mmol/3000 mL Sodium 130 mmol/L 390 mmol/3000 mL Chloride 100 mmol/L 300 mmol/3000 mL Lactate 35 mmol/L 105 mmol/3000 mL Calcium 1.7 mmol/L 5.1 mmol/3000 mL Magnesium 0.7 mmol/L 2.1 mmol/3000 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
2000 mL	Inpersol with Dextrose 2.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 252.30 mmol/2000 mL Sodium 130.98 mmol/L 261.96 mmol/2000 mL Chloride 100.99 mmol/L 201.98 mmol/2000 mL Lactate 34.981 mmol/L 69.962 mmol/2000 mL Calcium 1.75 mmol/L 3.50 mmol/2000 mL Magnesium 0.748 mmol/L 1.496 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 240 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 100 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.7 mmol/L 3.4 mmol/2000 mL Magnesium 0.7 mmol/L 1.4 mmol/2000 mL
1500 mL	Inpersol with Dextrose 2.5% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 126.15 mmol/L 189.23 mmol/1500 mL Sodium 130.98 mmol/L 196.47 mmol/1500 mL Chloride 100.99 mmol/L 151.49 mmol/1500 mL Lactate 34.981 mmol/L 52.47 mmol/1500 mL Calcium 1.75 mmol/L 2.626 mmol/1500 mL Magnesium 0.748 mmol/L 1.222 mmol/1500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 120 mmol/L 180 mmol/1500 mL Sodium 130 mmol/L 195 mmol/1500 mL Chloride 100 mmol/L 150 mmol/1500 mL Lactate 35 mmol/L 53 mmol/1500 mL Calcium 1.7 mmol/L 2.6 mmol/1500 mL Magnesium 0.7 mmol/L 1.1 mmol/1500 mL
3000 mL	Inpersol with Dextrose 4.25% Peritoneal Dialysis Solution	(Electrolyte concentrations per litre are the same as for the immediately preceding solution) D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 643.38 mmol/3000 mL Sodium 130.98 mmol/L 392.94 mmol/3000 mL Chloride 100.99 mmol/L 302.97 mmol/3000 mL Lactate 34.98 mmol/L 104.983 mmol/3000 mL Calcium 1.75 mmol/L 5.25 mmol/3000 mL Magnesium 0.748 mmol/L 2.244 mmol/3000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 600 mmol/3000 mL Sodium 130 mmol/L 390 mmol/3000 mL Chloride 100 mmol/L 300 mmol/3000 mL Lactate 35 mmol/L 105 mmol/3000 mL Calcium 1.7 mmol/L 5.1 mmol/3000 mL Magnesium 0.7 mmol/L 2.1 mmol/3000 mL

VOLUME	CURRENT NAME	SOFT CONVERSION	HARD CONVERSION
2000 mL	Inpersol with Dextrose 4.25% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 428.92 mmol/2000 mL Sodium 130.98 mmol/L 261.96 mmol/2000 mL Chloride 100.99 mmol/L 201.98 mmol/2000 mL Lactate 34.981 mmol/L 69.962 mmol/2000 mL Calcium 1.75 mmol/L 3.50 mmol/2000 mL Magnesium 0.748 mmol/L 1.496 mmol/2000 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 400 mmol/2000 mL Sodium 130 mmol/L 260 mmol/2000 mL Chloride 90 mmol/L 200 mmol/2000 mL Lactate 35 mmol/L 70 mmol/2000 mL Calcium 1.7 mmol/L 3.4 mmol/2000 mL Magnesium 0.7 mmol/L 1.4 mmol/2000 mL
1500 mL	Inpersol with Dextrose 4.25% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L 321.69 mmol/1500 mL Sodium 130.98 mmol/L 196.47 mmol/1500 mL Chloride 100.99 mmol/L 151.49 mmol/1500 mL Lactate 34.981 mmol/L 52.47 mmol/1500 mL Calcium 1.75 mmol/L 2.626 mmol/1500 mL Magnesium 0.748 mmol/L 1.222 mmol/1500 mL	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L 300 mmol/1500 mL Sodium 130 mmol/L 195 mmol/1500 mL Chloride 100 mmol/L 150 mmol/1500 mL Lactate 35 mmol/L 53 mmol/1500 mL Calcium 1.7 mmol/L 2.6 mmol/1500 mL Magnesium 0.7 mmol/L 1.1 mmol/1500 mL
1000 mL	Inpersol with Dextrose 4.25% Peritoneal Dialysis Solution	D-glucose and electrolytes peritoneal dialysis solution D-glucose 214.46 mmol/L (Electrolyte concentrations per litre are the same as for the immediately preceding solution)	D-glucose and electrolytes peritoneal dialysis solution D-glucose 200 mmol/L