

## Parenterální výživa AIO vaky

### Dvoukomorové vaky

#### BBraun Medical

| Složení                |             | Nutriflex peri | Nutriflex peri | Nutriflex basal | Nutriflex plus | Nutriflex special |
|------------------------|-------------|----------------|----------------|-----------------|----------------|-------------------|
|                        |             | 1000 ml        | 2000 ml        | 2000 ml         | 2000 ml        | 1500 ml           |
| Aminokyseliny          | g           | 40             | 80             | 64              | 96             | 105               |
| Dusík                  | g           | 5,7            | 11,4           | 9,2             | 13,6           | 15                |
| Glukóza                | g           | 80             | 160            | 250             | 300            | 360               |
| Elektrolyty            | mmol        |                |                |                 |                |                   |
| <b>Celková energie</b> | <b>kcal</b> | <b>480</b>     | <b>960</b>     | <b>1260</b>     | <b>1580</b>    | <b>1860</b>       |
| Osmolarita             | mosmol/l    | 900            |                | 1150            | 1400           | 2100              |
| Na                     |             | 27             | 54             | 99,8            | 74,4           | 60,8              |
| K                      |             | 15             | 30             | 60              | 50             | 38,6              |
| Ca                     |             | 2,5            | 5              | 7,2             | 7,2            | 6,2               |
| Mg                     |             | 4              | 8              | 11,4            | 11,4           | 7,5               |
| Cl                     |             | 31,6           | 63,2           | 100             | 71             | 74,3              |
| Fosfát                 |             | 5,7            | 11,4           | 25,6            | 40             | 22,1              |
| Acetát                 |             | 19,5           | 39             | 70              | 45,8           | 33                |

#### Fresenius Kabi

| Složení                |             | Aminomix 1 Novum |             |             | Aminomix 2 Novum |             |
|------------------------|-------------|------------------|-------------|-------------|------------------|-------------|
|                        |             | 1000 ml          | 1500 ml     | 2000 ml     | 1500 ml          | 2000 ml     |
| Aminokyseliny          | g           | 50               | 75          | 100         | 75               | 100         |
| Dusík                  | g           | 8                | 12          | 16          | 12               | 16          |
| Glukóza                | g           | 200              | 300         | 400         | 180              | 240         |
| Elektrolyty            | mmol        |                  |             |             |                  |             |
| <b>Celková energie</b> | <b>kcal</b> | <b>1000</b>      | <b>1500</b> | <b>2000</b> | <b>1020</b>      | <b>1360</b> |
| Osmolarita             | mosmol/l    | 1779             |             |             | 1335             |             |
| Na                     |             | 50               | 75          | 100         | 75               | 100         |
| K                      |             | 30               | 45          | 60          | 45               | 60          |
| Ca                     |             | 2                | 3           | 4           | 3                | 4           |
| Mg                     |             | 3                | 4,5         | 6           | 4,5              | 6           |
| Cl                     |             | 64               | 96          | 128         | 96               | 128         |
| Fosfor                 |             | 15               | 22,5        | 30          | 22,5             | 30          |
| Zinek                  |             | 0,04             | 0,06        | 0,08        | 0,06             | 0,08        |

## Tříkomorové vaky

**BBraun Medical**

| Složení                |             | Nutriflex Lipid peri |             | Nutriflex Lipid plus |             |
|------------------------|-------------|----------------------|-------------|----------------------|-------------|
|                        |             | 1875 ml              | 2500 ml     | 1875 ml              | 2500 ml     |
| Aminokyseliny          | g           | 60                   | 80          | 72                   | 96          |
| Dusík                  | g           | 8,6                  | 11,4        | 10                   | 13,6        |
| Glukóza                | g           | 120                  | 160         | 225                  | 300         |
| Lipidy (MCT/LCT)       | g           | 75                   | 100         | 75                   | 100         |
| Elektrolyty            | mmol        |                      |             |                      |             |
| <b>Celková energie</b> | <b>kcal</b> | <b>1435</b>          | <b>1910</b> | <b>1900</b>          | <b>2530</b> |
| Osmolarita             | mosmol/l    | 840                  |             | 1215                 |             |
| Na                     |             | 75                   | 100         | 75                   | 100         |
| K                      |             | 45                   | 60          | 52,5                 | 70          |
| Mg                     |             | 4,5                  | 6           | 6                    | 8           |
| Ca                     |             | 4,5                  | 6           | 6                    | 8           |
| Fosfát                 |             | 11,25                | 15          | 22,5                 | 30          |
| Cl                     |             | 72                   | 96          | 67,5                 | 90          |
| Acetát                 |             | 60                   | 80          | 67,5                 | 90          |
| Zn                     |             | 0,045                | 0,06        | 0,045                | 0,06        |

| Složení                 |             | NuTRiflex Omega plus |             |             | NuTRiflex omega special |             |             |             |
|-------------------------|-------------|----------------------|-------------|-------------|-------------------------|-------------|-------------|-------------|
|                         |             | 1250 ml              | 1875 ml     | 2500 ml     | 625 ml                  | 1250 ml     | 1875 ml     | 2500 ml     |
| Aminokyseliny           | g           | 48                   | 72          | 96          | 35,9                    | 71,8        | 107,7       | 143,6       |
| Dusík                   | g           | 6,8                  | 10,2        | 13,6        | 5                       | 10          | 15          | 20          |
| Glukóza                 | g           | 150                  | 225         | 300         | 90                      | 180         | 270         | 360         |
| Elektrolyty             | mmol        |                      |             |             |                         |             |             |             |
| MCT tuky                | g           | 25                   | 37,5        | 50          | 12,5                    | 25          | 37,5        | 50          |
| LCT tuky                | g           | 20                   | 30          | 40          | 10                      | 20          | 30          | 40          |
| Omega-3 mastné kyseliny | g           | 5                    | 7,5         | 10          | 2,5                     | 5           | 7,5         | 10          |
| <b>Celková energie</b>  | <b>kcal</b> | <b>1265</b>          | <b>1900</b> | <b>2530</b> | <b>740</b>              | <b>1475</b> | <b>2215</b> | <b>2950</b> |
| Osmolarita              | mosmol/l    | 1540                 |             |             | 1545                    |             |             |             |
| Na                      |             | 50                   | 75          | 100         | 33,5                    | 67          | 100,5       | 134         |
| K                       |             | 35                   | 52,5        | 70          | 23,5                    | 47          | 70,5        | 94          |
| Mg                      |             | 4                    | 6           | 8           | 2,65                    | 5,3         | 7,95        | 10,6        |
| Ca                      |             | 4                    | 6           | 8           | 2,65                    | 5,3         | 7,95        | 10,6        |
| Fosfát                  |             | 15                   | 22,5        | 30          | 10                      | 20          | 30          | 40          |
| Cl                      |             | 45                   | 67,5        | 90          | 30                      | 60          | 90          | 120         |
| Acetát                  |             | 45                   | 67,5        | 90          | 30                      | 60          | 90          | 120         |
| Zn                      |             | 0,03                 | 0,05        | 0,06        | 0,02                    | 0,04        | 0,06        | 0,08        |

## Fresenius Kabi

| Složení                     | Kabiven     |             |             | Kabiven Peripheral |             |             |
|-----------------------------|-------------|-------------|-------------|--------------------|-------------|-------------|
|                             | 1540 ml     | 2053 ml     | 2566 ml     | 1440 ml            | 1920 ml     | 2400 ml     |
| Aminokyseliny g             | 51          | 68          | 85          | 34                 | 45          | 56          |
| Dusík g                     | 8,1         | 10,8        | 13,5        | 5,4                | 7,2         | 9           |
| Glukóza g                   | 150         | 200         | 250         | 97                 | 130         | 163         |
| Lipidy (Intralipid 20%) g   | 60          | 80          | 100         | 51                 | 68          | 85          |
| Elektrolyty mmol            |             |             |             |                    |             |             |
| <b>Celková energie kcal</b> | <b>1400</b> | <b>1900</b> | <b>2300</b> | <b>1020</b>        | <b>1400</b> | <b>1720</b> |
| Osmolarita                  | 1060        |             |             | 750                |             |             |
| Na                          | 48          | 64          | 80          | 32                 | 43          | 54          |
| K                           | 36          | 48          | 60          | 24                 | 32          | 40          |
| Mg                          | 6           | 8           | 10          | 4                  | 5,3         | 6,6         |
| Ca                          | 3           | 4           | 5           | 2                  | 2,7         | 3,4         |
| Fosfát                      | 15          | 20          | 25          | 10,5               | 14          | 17,5        |
| Cl                          | 70          | 93          | 116         | 46,5               | 62          | 77,5        |
| Acetát                      | 58          | 78          | 97          | 39                 | 52          | 65          |
| Sulfát                      | 6           | 8           | 10          | 4                  | 5,3         | 6,6         |

| Složení                     | SMOFKabiven |             |             | SMOFKabiven Peripheral |             |
|-----------------------------|-------------|-------------|-------------|------------------------|-------------|
|                             | 1477 ml     | 1970 ml     | 2463 ml     | 1448ml                 | 1904 ml     |
| Aminokyseliny g             | 75          | 100         | 125         | 46                     | 60          |
| Dusík g                     | 12          | 16          | 20          | 7,4                    | 9,8         |
| Glukóza g                   | 187         | 250         | 313         | 103                    | 135         |
| Lipidy (SMOFlipid) g        | 56          | 75          | 94          | 41                     | 54          |
| Elektrolyty mmol            |             |             |             |                        |             |
| <b>Celková energie kcal</b> | <b>1600</b> | <b>2100</b> | <b>2700</b> | <b>1000</b>            | <b>1300</b> |
| Osmolarita                  | 1500        |             |             | 850                    |             |
| Na                          | 60          | 80          | 100         | 36                     | 48          |
| K                           | 45          | 60          | 74          | 28                     | 36          |
| Mg                          | 7,5         | 10          | 12          | 4,6                    | 6           |
| Ca                          | 3,8         | 5           | 6,2         | 2,3                    | 3           |
| Fosfát                      | 19          | 25          | 31          | 11,9                   | 15,6        |
| Cl                          | 52          | 70          | 89          | 32                     | 42          |
| Acetát                      | 157         | 209         | 261         | 96                     | 125         |
| Sulfát                      | 7,5         | 10          | 13          | 4,6                    | 6,1         |
| Zn                          | 0,06        | 0,08        | 0,1         | 0,03                   | 0,05        |

## Baxter

| Složení                |             | Olimel         |             |             |             |             |             |
|------------------------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|
|                        |             | PeriOlimel N4E | N5E         | N7E         |             | N9E         | N9          |
|                        |             | 2000 ml        | 2000 ml     | 1000 ml     | 2000 ml     | 2000 ml     | 2000 ml     |
| Aminokyseliny          | g           | 50,6           | 65,8        | 44,3        | 88,6        | 113,9       | 113,9       |
| Dusík                  | g           | 8              | 10,4        | 7           | 14          | 18          | 18          |
| Glukóza                | g           | 150            | 230         | 140         | 280         | 220         | 220         |
| Lipidy (Clinoleic 20%) | g           | 60             | 80          | 40          | 80          | 80          | 80          |
| Elektrolyty            | mmol        |                |             |             |             |             |             |
| <b>Celková energie</b> | <b>kcal</b> | <b>1400</b>    | <b>1980</b> | <b>1140</b> | <b>2270</b> | <b>2140</b> | <b>2140</b> |
| Osmolarita             | mosmol/l    | 760            | 1120        | 1360        | 1360        | 1310        | 1170        |
| Na                     |             | 42             | 70          | 35          | 70          | 70          |             |
| K                      |             | 32             | 60          | 30          | 60          | 60          |             |
| Mg                     |             | 4,4            | 8           | 4           | 8           | 8           |             |
| Ca                     |             | 4              | 7           | 3,5         | 7           | 7           |             |
| Fosfát                 |             | 17             | 30          | 15          | 30          | 30          | 6           |
| Cl                     |             | 49             | 90          | 45          | 90          | 90          |             |
| Acetát                 |             | 55             | 73          | 45          | 89          | 107         | 80          |

| Složení                |             | OliClinomel |             |             |             |
|------------------------|-------------|-------------|-------------|-------------|-------------|
|                        |             | N4          | N6          | N7          | N8          |
|                        |             | 2000 ml     | 2000 ml     | 2000 ml     | 2000 ml     |
| Aminokyseliny          | g           | 44          | 68          | 80          | 100         |
| Dusík                  | g           | 7,3         | 11,2        | 13,2        | 16,5        |
| Glukóza                | g           | 160         | 240         | 320         | 250         |
| Lipidy (Clinoleic 20%) | g           | 40          | 80          | 80          | 60          |
| Elektrolyty            | mmol        |             |             |             |             |
| <b>Celková energie</b> | <b>kcal</b> | <b>1215</b> | <b>2030</b> | <b>2400</b> | <b>2000</b> |
| Osmolarita             | mosmol/l    | 750         | 1160        | 1450        | 1230        |
| Na                     |             | 42          | 64          | 64          |             |
| K                      |             | 32          | 48          | 48          |             |
| Mg                     |             | 4,4         | 4,4         | 4,4         |             |
| Ca                     |             | 4           | 4           | 4           |             |
| Fosfát                 |             | 17          | 20          | 20          | 4,5         |
| Cl                     |             | 66          | 92          | 96          | 40          |
| Acetát                 |             | 61          | 106         | 114         | 85          |