

|   |   |                                       |
|---|---|---------------------------------------|
| RoM = robustní průměr                           | AV = vztažná hodnota  | Dmax = přijatelný rozdíl v procentech |
| SD = směrodatná odchylka                        | CRV = certifikovaná referenční hodnota                        | LL = dolní mez                        |
| CV = variační koeficient                        | RV = referenční hodnota                                       | UL = horní mez                        |
| Ntot = celkový počet účastníků                  | CV = konsenzus expertů  | Neva = počet hodnocených účastníků    |
| Nout = počet výsledků vyloučených před výpočtem | CVP = konsenzus všech účastníků                               | Nsuc = počet úspěšných účastníků      |
|   | CVPG = konsenzus skupin účastníků                             | Srel = relativní úspěšnost            |
|   | U <sub>AV</sub> = rozšířená nejistota vztažné hodnoty (k = 2) |                                       |

| zkouška                          | [jednotka] | Srovnatelnost |       |        |                  |                  | Srovnatelnost |                                   |                  |     |       |                  |                  |                  |
|----------------------------------|------------|---------------|-------|--------|------------------|------------------|---------------|-----------------------------------|------------------|-----|-------|------------------|------------------|------------------|
|                                  |            | RoM           | SD    | CV [%] | N <sub>tot</sub> | N <sub>out</sub> | AV            | U <sub>AV</sub>                   | D <sub>max</sub> | LL  | UL    | N <sub>eva</sub> | N <sub>suc</sub> | S <sub>rel</sub> |
| <b>Sada 1</b>                    |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>(238) free beta-hCG</b>       | [U/L]      |               |       |        | 10               |                  |               |                                   |                  |     |       | 10               | 10               | 100%             |
| Vzorky a skupiny                 |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>Vzorek A1</b>                 |            | 45,4          | 2,3   | 5,0    | 10               |                  |               |                                   |                  |     |       | 10               | 10               | 100%             |
| (60) Roche                       |            | 45,8          | 1,6   | 3,6    | 9                | 0                | CVPG          | 47                                | 0,89             | 15% | 39,9  | 54,1             | 9                |                  |
| Ostatní                          |            |               |       |        | 1                | 0                |               |                                   |                  |     |       |                  | 1                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 24                             |                  |     |       |                  |                  |                  |
| <b>Vzorek B1</b>                 |            | 55,0          | 3,4   | 6,2    | 10               |                  |               |                                   |                  |     |       | 10               | 10               | 100%             |
| (60) Roche                       |            | 55,3          | 1,4   | 2,5    | 9                | 0                | CVPG          | 57,7                              | 1,2              | 15% | 49    | 66,4             | 9                |                  |
| Ostatní                          |            |               |       |        | 1                | 0                |               |                                   |                  |     |       |                  | 1                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 24                             |                  |     |       |                  |                  |                  |
| <b>(239) PAPP-A</b>              | [U/L]      |               |       |        | 13               |                  |               |                                   |                  |     |       | 10               | 10               | 100%             |
| Vzorky a skupiny                 |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>Vzorek A1</b>                 |            | 1,41          | 0,089 | 6,4    | 13               |                  |               |                                   |                  |     |       | 10               | 10               | 100%             |
| (60) Roche                       |            | 1,37          | 0,10  | 7,6    | 8                | 0                | CVPG          | 1,4                               | 0,033            | 15% | 1,19  | 1,61             | 8                |                  |
| Ostatní                          |            |               |       |        | 5                | 0                |               |                                   |                  |     |       |                  | 2                |                  |
|                                  |            |               |       |        |                  |                  |               | 2x 24, 3x 29                      |                  |     |       |                  |                  |                  |
| <b>Vzorek B1</b>                 |            | 0,356         | 0,022 | 6,1    | 13               |                  |               |                                   |                  |     |       | 10               | 10               | 100%             |
| (60) Roche                       |            | 0,355         | 0,038 | 11     | 8                | 0                | CVPG          | 0,365                             | ,0077            | 15% | 0,31  | 0,42             | 8                |                  |
| Ostatní                          |            |               |       |        | 5                | 0                |               |                                   |                  |     |       |                  | 2                |                  |
|                                  |            |               |       |        |                  |                  |               | 2x 24, 3x 29                      |                  |     |       |                  |                  |                  |
| <b>Sada 2</b>                    |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>(370) AFP</b>                 | [µg/L]     |               |       |        | 14               |                  |               |                                   |                  |     |       | 11               | 10               | 91%              |
| Vzorky a skupiny                 |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>Vzorek A2</b>                 |            | 32,4          | 2,8   | 8,8    | 14               |                  |               |                                   |                  |     |       | 11               | 10               | 91%              |
| (12) Beckman Coulter             |            | 30,6          | 2,2   | 7,2    | 5                | 0                | CVPG          | 30,3                              | 1,2              | 20% | 24,2  | 36,4             | 5                |                  |
| (60) Roche                       |            | 34,9          | 3,2   | 9,1    | 5                | 0                | CVPG          | 35,7                              | 1,4              | 20% | 28,5  | 42,9             | 5                |                  |
| Ostatní                          |            |               |       |        | 4                | 0                |               |                                   |                  |     |       |                  | 1                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 1, 3x 179                      |                  |     |       |                  |                  |                  |
| <b>Vzorek B2</b>                 |            | 103           | 10    | 9,8    | 14               |                  |               |                                   |                  |     |       | 11               | 10               | 91%              |
| (12) Beckman Coulter             |            | 96,3          | 8,4   | 8,7    | 5                | 0                | CVPG          | 97                                | 3,5              | 20% | 77,6  | 117              | 5                |                  |
| (60) Roche                       |            | 112           | 8,3   | 7,4    | 5                | 0                | CVPG          | 114                               | 4,2              | 20% | 91,2  | 137              | 5                |                  |
| Ostatní                          |            |               |       |        | 4                | 0                |               |                                   |                  |     |       |                  | 1                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 1, 3x 179                      |                  |     |       |                  |                  |                  |
| <b>(373) hCG</b>                 | [kU/L]     |               |       |        | 14               |                  |               |                                   |                  |     |       | 9                | 7                | 78%              |
| Vzorky a skupiny                 |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>Vzorek A2</b>                 |            | 28,0          | 7,1   | 25     | 14               |                  |               |                                   |                  |     |       | 9                | 7                | 78%              |
| (60) Roche                       |            | 25,1          | 1,2   | 4,8    | 5                | 0                | CVPG          | 24,8                              | 1,1              | 18% | 20,3  | 29,3             | 5                |                  |
| Ostatní                          |            |               |       |        | 9                | 0                |               |                                   |                  |     |       |                  | 4                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 1, 4x 12, 1x 29, 1x 36, 2x 179 |                  |     |       |                  |                  |                  |
| <b>Vzorek B2</b>                 |            | 27,7          | 6,1   | 22     | 14               |                  |               |                                   |                  |     |       | 9                | 8                | 89%              |
| (60) Roche                       |            | 24,3          | 2,2   | 8,9    | 5                | 0                | CVPG          | 24                                | 1,1              | 18% | 19,6  | 28,4             | 5                |                  |
| Ostatní                          |            |               |       |        | 9                | 0                |               |                                   |                  |     |       |                  | 4                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 1, 4x 12, 1x 29, 1x 36, 2x 179 |                  |     |       |                  |                  |                  |
| <b>(375) Estriol volný</b>       | [nmol/L]   |               |       |        | 13               |                  |               |                                   |                  |     |       | 13               | 11               | 85%              |
| Vzorky a skupiny                 |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>Vzorek A2</b>                 |            | 2,37          | 1,2   | 51     | 13               |                  |               |                                   |                  |     |       | 13               | 11               | 85%              |
| (12) Beckman Coulter             |            | 3,48          | 0,75  | 21     | 6                | 0                | CVPG          | 3,23                              | 0,12             | 33% | 2,16  | 4,3              | 6                |                  |
| (29) Siemens (Immulite)          |            | 1,63          | 0,16  | 9,8    | 7                | 0                | CVPG          | 1,58                              | 0,16             | 33% | 1,05  | 2,11             | 7                |                  |
| Ostatní                          |            | 5,97          | 1,9   | 31     | 13               |                  |               |                                   |                  |     |       | 13               | 12               | 92%              |
| <b>Vzorek B2</b>                 |            | 7,50          | 0,74  | 9,8    | 6                | 0                | CVPG          | 7,55                              | 0,24             | 33% | 5,05  | 10,1             | 6                |                  |
| (12) Beckman Coulter             |            | 4,77          | 0,49  | 10     | 7                | 0                | CVPG          | 4,54                              | 0,55             | 33% | 3,04  | 6,04             | 7                |                  |
| (29) Siemens (Immulite)          |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>1. trimestr</b>               |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>(240) free beta-hCG (MoM)</b> | [MoM]      |               |       |        | 8                |                  |               |                                   |                  |     |       | 8                | 8                | 100%             |
| Vzorky a skupiny                 |            |               |       |        |                  |                  |               |                                   |                  |     |       |                  |                  |                  |
| <b>Matka X1</b>                  |            | 0,940         | 0,089 | 9,5    | 8                |                  |               |                                   |                  |     |       | 8                | 8                | 100%             |
| (60) Roche                       |            | 0,950         | 0,074 | 7,8    | 7                | 0                | CVPG          | 0,987                             | 0,039            | 33% | 0,661 | 1,32             | 7                |                  |
| Ostatní                          |            |               |       |        | 1                | 0                |               |                                   |                  |     |       |                  | 1                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 24                             |                  |     |       |                  |                  |                  |
| <b>Matka Y1</b>                  |            | 1,45          | 0,39  | 27     | 8                |                  |               |                                   |                  |     |       | 8                | 8                | 100%             |
| (60) Roche                       |            | 1,56          | 0,22  | 14     | 7                | 0                | CVPG          | 1,65                              | 0,089            | 33% | 1,1   | 2,2              | 7                |                  |
| Ostatní                          |            |               |       |        | 1                | 0                |               |                                   |                  |     |       |                  | 1                |                  |
|                                  |            |               |       |        |                  |                  |               | 1x 24                             |                  |     |       |                  |                  |                  |

| Zkouška                          | [jednotka] |       |       |        |                  |                  | Srovnatelnost |                                   |                  |     |       |       | N <sub>eva</sub> | N <sub>suc</sub> | S <sub>rel</sub> |  |
|----------------------------------|------------|-------|-------|--------|------------------|------------------|---------------|-----------------------------------|------------------|-----|-------|-------|------------------|------------------|------------------|--|
|                                  |            | RoM   | SD    | CV [%] | N <sub>tot</sub> | N <sub>out</sub> | AV            | U <sub>AV</sub>                   | D <sub>max</sub> | LL  | UL    |       |                  |                  |                  |  |
| <b>(241) PAPP-A (MoM)</b>        |            |       |       |        |                  |                  |               |                                   |                  |     |       |       |                  |                  |                  |  |
| Vzorky a skupiny                 | [MoM]      |       |       |        | 11               |                  |               |                                   |                  |     |       |       | 9                | 8                | 89%              |  |
| <b>Matka X1</b>                  |            | 0,826 | 0,16  | 20     | 11               |                  |               |                                   |                  |     |       |       | 9                | 8                | 89%              |  |
| (60) Roche                       |            | 0,810 | 0,10  | 13     | 7                | 0                | CVPG          | 0,737                             | 0,042            | 33% | 0,493 | 0,981 | 7                |                  |                  |  |
| Ostatní                          |            |       |       |        | 4                | 0                |               |                                   |                  |     |       |       | 2                |                  |                  |  |
|                                  |            |       |       |        |                  |                  |               | 2x 24, 2x 29                      |                  |     |       |       |                  |                  |                  |  |
| <b>Matka Y1</b>                  |            | 0,104 | 0,014 | 13     | 11               |                  |               |                                   |                  |     |       |       | 9                | 9                | 100%             |  |
| (60) Roche                       |            | 0,105 | 0,007 | 7,0    | 7                | 0                | CVPG          | 0,102                             | ,0049            | 33% | 0,068 | 0,136 | 7                |                  |                  |  |
| Ostatní                          |            |       |       |        | 4                | 0                |               |                                   |                  |     |       |       | 2                |                  |                  |  |
|                                  |            |       |       |        |                  |                  |               | 2x 24, 2x 29                      |                  |     |       |       |                  |                  |                  |  |
| <b>2. trimestr</b>               |            |       |       |        |                  |                  |               |                                   |                  |     |       |       |                  |                  |                  |  |
| <b>(380) AFP (MoM)</b>           |            |       |       |        |                  |                  |               |                                   |                  |     |       |       |                  |                  |                  |  |
| Vzorky a skupiny                 | [MoM]      |       |       |        | 14               |                  |               |                                   |                  |     |       |       | 14               | 12               | 86%              |  |
| <b>Matka X2</b>                  |            | 0,906 | 0,083 | 9,2    | 14               |                  | CVP           | 0,901                             | 0,028            | 23% | 0,693 | 1,11  | 14               | 12               | 86%              |  |
| Všechny výsledky                 |            | 0,906 | 0,083 | 9,2    | 14               | 0                |               |                                   |                  |     |       |       | 14               |                  |                  |  |
| <b>Matka Y2</b>                  |            | 2,88  | 0,28  | 9,6    | 14               |                  | CVP           | 2,86                              | 0,089            | 23% | 2,2   | 3,52  | 14               | 12               | 86%              |  |
| Všechny výsledky                 |            | 2,88  | 0,28  | 9,6    | 14               | 0                |               |                                   |                  |     |       |       | 14               |                  |                  |  |
| <b>(382) hCG (MoM)</b>           |            |       |       |        |                  |                  |               |                                   |                  |     |       |       |                  |                  |                  |  |
| Vzorky a skupiny                 | [MoM]      |       |       |        | 14               |                  |               |                                   |                  |     |       |       | 9                | 8                | 89%              |  |
| <b>Matka X2</b>                  |            | 0,841 | 0,16  | 19     | 14               |                  |               |                                   |                  |     |       |       | 9                | 8                | 89%              |  |
| (60) Roche                       |            | 0,815 | 0,037 | 4,6    | 5                | 0                | CVPG          | 0,861                             | 0,087            | 33% | 0,576 | 1,15  | 5                |                  |                  |  |
| Ostatní                          |            |       |       |        | 9                | 0                |               |                                   |                  |     |       |       | 4                |                  |                  |  |
|                                  |            |       |       |        |                  |                  |               | 1x 1, 4x 12, 1x 29, 1x 36, 2x 179 |                  |     |       |       |                  |                  |                  |  |
| <b>Matka Y2</b>                  |            | 0,824 | 0,12  | 15     | 14               |                  |               |                                   |                  |     |       |       | 9                | 9                | 100%             |  |
| (60) Roche                       |            | 0,780 | 0,03  | 3,8    | 5                | 0                | CVPG          | 0,835                             | 0,076            | 33% | 0,559 | 1,12  | 5                |                  |                  |  |
| Ostatní                          |            |       |       |        | 9                | 0                |               |                                   |                  |     |       |       | 4                |                  |                  |  |
|                                  |            |       |       |        |                  |                  |               | 1x 1, 4x 12, 1x 29, 1x 36, 2x 179 |                  |     |       |       |                  |                  |                  |  |
| <b>(384) Estriol volný (MoM)</b> |            |       |       |        |                  |                  |               |                                   |                  |     |       |       |                  |                  |                  |  |
| Vzorky a skupiny                 | [MoM]      |       |       |        | 13               |                  |               |                                   |                  |     |       |       | 13               | 12               | 92%              |  |
| <b>Matka X2</b>                  |            | 1,05  | 0,18  | 17     | 13               |                  |               |                                   |                  |     |       |       | 13               | 12               | 92%              |  |
| (12) Beckman Coulter             |            | 1,04  | 0,27  | 27     | 6                | 0                | CVPG          | 1,04                              | 0,083            | 33% | 0,696 | 1,39  | 6                |                  |                  |  |
| (29) Siemens (Immulite)          |            | 1,06  | 0,12  | 11     | 7                | 0                | CVPG          | 0,978                             | 0,12             | 33% | 0,655 | 1,31  | 7                |                  |                  |  |
| <b>Matka Y2</b>                  |            | 2,73  | 0,62  | 23     | 13               |                  |               |                                   |                  |     |       |       | 13               | 12               | 92%              |  |
| (12) Beckman Coulter             |            | 2,43  | 0,58  | 24     | 6                | 0                | CVPG          | 2,43                              | 0,17             | 33% | 1,62  | 3,24  | 6                |                  |                  |  |
| (29) Siemens (Immulite)          |            | 2,96  | 0,39  | 13     | 7                | 0                | CVPG          | 2,75                              | 0,31             | 33% | 1,84  | 3,66  | 7                |                  |                  |  |