

|              |                                 | Total  | Tunisia | United Arab Emirates | Turkey | Turkey | North Macedonia | Bulgaria | Turkey | Egypt | Bosnia and Herzegovina | Turkey | Tunisia |
|--------------|---------------------------------|--------|---------|----------------------|--------|--------|-----------------|----------|--------|-------|------------------------|--------|---------|
|              |                                 | 79     | 19      | 5                    | 5      | 1      | 2               | 6        | 3      | 6     | 17                     | 3      | 12      |
| Category     | Description                     | Median |         |                      |        |        |                 |          |        |       |                        |        |         |
| Biochemistry | ACE                             | 0%     | 0%      | 40%                  | 0%     | 0%     | 50%             | 0%       | 33%    | 0%    | 18%                    | 0%     | 0%      |
|              | Cerebrospinal fluid analysis    | 0%     | 5%      | 0%                   | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Complete blood count            | 100%   | 100%    | 100%                 | 100%   | 100%   | 100%            | 100%     | 100%   | 100%  | 100%                   | 100%   | 100%    |
|              | C-reactive protein              | 100%   | 100%    | 100%                 | 100%   | 100%   | 100%            | 100%     | 100%   | 100%  | 100%                   | 100%   | 100%    |
|              | Erythrocyte sedimentation rate  | 100%   | 100%    | 100%                 | 100%   | 100%   | 100%            | 100%     | 100%   | 83%   | 100%                   | 100%   | 75%     |
|              | Fecal occult blood              | 0%     | 0%      | 0%                   | 0%     | 100%   | 50%             | 0%       | 67%    | 17%   | 41%                    | 0%     | 0%      |
|              | ferritin                        | 0%     | 0%      | 0%                   | 20%    | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Ferritinemia                    | 0%     | 0%      | 0%                   | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 17%     |
|              | Liver function tests            | 100%   | 100%    | 100%                 | 80%    | 100%   | 100%            | 100%     | 100%   | 100%  | 100%                   | 100%   | 92%     |
|              | Lymphocyte panel                | 0%     | 0%      | 40%                  | 20%    | 100%   | 50%             | 0%       | 0%     | 0%    | 12%                    | 0%     | 0%      |
|              | Malaria blood film              | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | myelogram                       | 0%     | 5%      | 0%                   | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Peripheral smear                | 40%    | 26%     | 100%                 | 40%    | 100%   | 100%            | 0%       | 67%    | 0%    | 12%                    | 67%    | 0%      |
|              | Procalcitonin                   | 100%   | 63%     | 100%                 | 60%    | 100%   | 100%            | 0%       | 100%   | 0%    | 100%                   | 100%   | 0%      |
|              | Protein electrophoresis         | 33%    | 42%     | 40%                  | 0%     | 100%   | 100%            | 0%       | 0%     | 0%    | 71%                    | 33%    | 33%     |
|              | Renal function tests            | 100%   | 89%     | 100%                 | 100%   | 100%   | 100%            | 100%     | 100%   | 100%  | 100%                   | 100%   | 92%     |
|              | spinal fluid analysis           | 0%     | 0%      | 0%                   | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 12%                    | 0%     | 0%      |
|              | Thyroid function tests          | 80%    | 63%     | 80%                  | 80%    | 100%   | 100%            | 0%       | 100%   | 0%    | 88%                    | 100%   | 33%     |
| Microbiology | Blood cultures                  | 100%   | 100%    | 100%                 | 80%    | 100%   | 100%            | 83%      | 100%   | 100%  | 100%                   | 100%   | 100%    |
|              | Urinalysis                      | 100%   | 100%    | 100%                 | 20%    | 100%   | 100%            | 0%       | 100%   | 67%   | 100%                   | 100%   | 100%    |
|              | Urine culture                   | 100%   | 100%    | 100%                 | 40%    | 100%   | 100%            | 83%      | 100%   | 100%  | 88%                    | 100%   | 100%    |
|              | Interferon- gamma release assay | 6%     | 11%     | 60%                  | 40%    | 0%     | 0%              | 100%     | 33%    | 0%    | 6%                     | 0%     | 0%      |
|              | Brucella serology               | 80%    | 79%     | 80%                  | 100%   | 100%   | 100%            | 0%       | 100%   | 0%    | 35%                    | 100%   | 75%     |
|              | Anti-HIV                        | 83%    | 74%     | 100%                 | 100%   | 100%   | 100%            | 83%      | 100%   | 0%    | 29%                    | 67%    | 75%     |
|              | HBV serology                    | 100%   | 84%     | 100%                 | 100%   | 100%   | 100%            | 100%     | 100%   | 67%   | 24%                    | 67%    | 75%     |
|              | HCV serology                    | 100%   | 84%     | 100%                 | 100%   | 100%   | 100%            | 100%     | 100%   | 67%   | 24%                    | 67%    | 67%     |
|              | Bartonella serology             | 0%     | 37%     | 100%                 | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 6%                     | 0%     | 0%      |
|              | EBV DNA                         | 60%    | 63%     | 80%                  | 60%    | 100%   | 0%              | 0%       | 67%    | 83%   | 35%                    | 33%    | 0%      |
|              | CMV DNA                         | 60%    | 79%     | 60%                  | 60%    | 100%   | 0%              | 0%       | 67%    | 100%  | 35%                    | 33%    | 0%      |
|              | Stool OCP                       | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Schistosoma serology            | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Leishmania serology             | 0%     | 11%     | 40%                  | 20%    | 0%     | 50%             | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | BK PCR                          | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Toxoplasma serology             | 20%    | 5%      | 20%                  | 60%    | 100%   | 100%            | 100%     | 100%   | 0%    | 6%                     | 0%     | 0%      |
|              | Strongyloides serology          | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Filaria serology                | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Respiratory panel               | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Malaria film and antigen test   | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Salmonella serology             | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | MTB PCR on sputum               | 0%     | 0%      | 20%                  | 0%     | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Syphilis serology               | 0%     | 0%      | 0%                   | 40%    | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 8%      |
|              | Echinococcus serology           | 0%     | 0%      | 0%                   | 20%    | 0%     | 0%              | 0%       | 0%     | 0%    | 0%                     | 0%     | 0%      |
|              | Tuberculin skin test            | 0%     | 68%     | 0%                   | 0%     | 100%   | 0%              | 0%       | 67%    | 0%    | 41%                    | 0%     | 58%     |
|              | Lyme serology                   | 0%     | 0%      | 0%                   | 0%     | 0%     | 100%            | 100%     | 0%     | 0%    | 0%                     | 0%     | 0%      |

|                  |                                                             |     |     |      |     |      |      |      |      |      |      |     |     |
|------------------|-------------------------------------------------------------|-----|-----|------|-----|------|------|------|------|------|------|-----|-----|
|                  | EBV serology                                                | 0%  | 0%  | 0%   | 0%  | 0%   | 100% | 0%   | 0%   | 0%   | 0%   | 0%  | 83% |
|                  | CMV serology                                                | 0%  | 0%  | 0%   | 0%  | 0%   | 100% | 0%   | 0%   | 0%   | 0%   | 0%  | 83% |
|                  | Parvovirus B19 serology                                     | 0%  | 5%  | 0%   | 0%  | 0%   | 50%  | 0%   | 0%   | 0%   | 0%   | 0%  | 25% |
|                  | Toxocara serology                                           | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 83%  | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | CDI serology                                                | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 6%   | 0%  | 0%  |
|                  | Helicobacter in stool                                       | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 8%  |
|                  | BK PCR in sputum                                            | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 17% |
|                  | Rickettsia serology                                         | 0%  | 32% | 20%  | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 25% |
|                  | Coxiella serology                                           | 0%  | 42% | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 17% |
|                  | Chlamydia psittaci serology                                 | 0%  | 5%  | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | West Nile Virus serology                                    | 0%  | 11% | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
| Rheumatology     | Rheumatoid factors (RF)                                     | 76% | 58% | 100% | 60% | 100% | 100% | 100% | 100% | 0%   | 76%  | 67% | 33% |
|                  | Anti-cyclic citrullinated peptide antibodies (anti-CCP)     | 25% | 47% | 80%  | 0%  | 100% | 100% | 0%   | 0%   | 0%   | 0%   | 33% | 25% |
|                  | Perinuclear Anti-neutrophilic cytoplasmic antibody (p-ANCA) | 32% | 32% | 100% | 60% | 100% | 50%  | 17%  | 0%   | 0%   | 65%  | 0%  | 8%  |
|                  | Anti-thyroid peroxidase antibody (Anti-TPO)                 | 0%  | 16% | 0%   | 0%  | 100% | 0%   | 0%   | 0%   | 0%   | 65%  | 0%  | 0%  |
|                  | Anti-tissue transglutaminase antibody (TTG)                 | 0%  | 16% | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 6%   | 0%  | 0%  |
|                  | Anti-mitochondrial antibody (AMA)                           | 20% | 32% | 20%  | 40% | 100% | 0%   | 0%   | 0%   | 0%   | 6%   | 33% | 25% |
|                  | Anti-smooth muscle antibody (ASMA)                          | 25% | 26% | 20%  | 40% | 100% | 0%   | 0%   | 0%   | 67%  | 0%   | 33% | 25% |
|                  | LKM                                                         | 0%  | 21% | 0%   | 20% | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 25% |
|                  | Anti Ro                                                     | 0%  | 11% | 0%   | 20% | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 33% | 8%  |
|                  | Jo-1                                                        | 0%  | 5%  | 0%   | 20% | 100% | 100% | 0%   | 0%   | 0%   | 0%   | 33% | 0%  |
|                  | Scl-70                                                      | 0%  | 11% | 0%   | 20% | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | Anti dsDNA                                                  | 50% | 0%  | 60%  | 40% | 100% | 50%  | 0%   | 100% | 83%  | 65%  | 33% | 42% |
|                  | c-ANCA                                                      | 17% | 0%  | 20%  | 40% | 100% | 50%  | 0%   | 0%   | 17%  | 53%  | 0%  | 0%  |
|                  | Others                                                      | 0%  | 0%  | 40%  | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | ANA                                                         | 0%  | 0%  | 0%   | 80% | 0%   | 0%   | 100% | 67%  | 0%   | 0%   | 0%  | 67% |
|                  | Anti-GPC                                                    | 0%  | 0%  | 0%   | 20% | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | SM                                                          | 0%  | 0%  | 0%   | 20% | 0%   | 50%  | 0%   | 0%   | 0%   | 0%   | 33% | 42% |
|                  | ANA-HepZ                                                    | 0%  | 0%  | 0%   | 0%  | 0%   | 50%  | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | anti SSA/SSB                                                | 0%  | 0%  | 0%   | 0%  | 0%   | 50%  | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | anti-U1RNP                                                  | 0%  | 0%  | 0%   | 0%  | 0%   | 100% | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | Anti La                                                     | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 33% | 0%  |
|                  | Cryoglobulinemia                                            | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 8%  |
| Oncology markers | Beta-HCG                                                    | 0%  | 5%  | 40%  | 0%  | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | CEA                                                         | 20% | 0%  | 20%  | 20% | 100% | 50%  | 50%  | 67%  | 0%   | 59%  | 0%  | 0%  |
|                  | Total PSA                                                   | 0%  | 0%  | 20%  | 0%  | 0%   | 0%   | 17%  | 33%  | 0%   | 29%  | 0%  | 0%  |
|                  | AFP                                                         | 20% | 0%  | 20%  | 20% | 100% | 0%   | 83%  | 100% | 0%   | 47%  | 0%  | 0%  |
|                  | CA 19-9                                                     | 20% | 0%  | 20%  | 20% | 100% | 50%  | 83%  | 100% | 0%   | 65%  | 0%  | 0%  |
|                  | CA 125                                                      | 17% | 0%  | 0%   | 20% | 100% | 50%  | 17%  | 100% | 0%   | 59%  | 0%  | 0%  |
|                  | CA 15-3                                                     | 0%  | 0%  | 0%   | 20% | 100% | 0%   | 0%   | 0%   | 0%   | 65%  | 0%  | 0%  |
|                  | CA 72-4                                                     | 0%  | 0%  | 0%   | 0%  | 0%   | 50%  | 0%   | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | CYFRA 21-1                                                  | 0%  | 0%  | 0%   | 0%  | 0%   | 50%  | 17%  | 0%   | 0%   | 12%  | 0%  | 0%  |
|                  | HER2                                                        | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 17%  | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | SCC                                                         | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 17%  | 0%   | 0%   | 6%   | 0%  | 0%  |
|                  | Free PSA                                                    | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 17%  | 0%   | 0%   | 24%  | 0%  | 0%  |
|                  | NMP-22                                                      | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 17%  | 0%   | 0%   | 0%   | 0%  | 0%  |
|                  | HCG                                                         | 0%  | 0%  | 0%   | 0%  | 0%   | 0%   | 0%   | 33%  | 0%   | 6%   | 0%  | 0%  |
| Radiological     | Abdomen ultrasonography                                     | 92% | 79% | 80%  | 80% | 100% | 100% | 100% | 33%  | 100% | 100% | 33% | 92% |

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