

# RHODIA PROBIOTIC TECHNICAL DATA

| Probiotic Attribute           | Bif. bifidum Bb-02 | Bif. breve Bb-03 | Bif. infantis Bi-07 | Bif. lactis B-01 | Bif. longum Bl-04 | Lac. acidophilus La-14 | Lac. acidophilus NCFM® | Lac. breve Lb-35 | Lac. bulgaricus Lb-31 | Lac. casei Lc-11 | Lac. paracasei Lp-34 | Lac. plantarum Lp-115 | Lac. rhamnosus Lr-32 | Lac. salivarius Ls-33 | Lacc. lactis Ll-34 | Str. thermophilus St-21 |
|-------------------------------|--------------------|------------------|---------------------|------------------|-------------------|------------------------|------------------------|------------------|-----------------------|------------------|----------------------|-----------------------|----------------------|-----------------------|--------------------|-------------------------|
| <b>Acid tolerance</b>         | ++++               | +                | +++                 | ++++             | ++++              | ++++                   | +++                    |                  | ++                    | +++              | +++                  | ++++                  | ++++                 | ++                    |                    | +                       |
| <b>Adherence</b>              |                    |                  |                     |                  |                   |                        |                        |                  |                       |                  |                      |                       |                      |                       |                    |                         |
| Caco-2                        | +++++              | +                | +++                 | +++              | +++               | +++                    | +++                    |                  | +++                   | ++++             | ++++                 | ++++                  | ++++                 | ++++                  |                    | +++++                   |
| Ht-29                         | +++++              | +++              | ++                  | +++              | +++               | ++++                   | +++                    |                  | ++                    | ++               | +++                  | ++                    | ++++                 | ++++                  |                    | +++                     |
| <b>Antibiotic Sensitivity</b> |                    |                  |                     |                  |                   |                        |                        |                  |                       |                  |                      |                       |                      |                       |                    |                         |
| Amoxicillin                   | S                  |                  | S                   | S                | S                 | S                      | S                      |                  | I                     | S                | S                    | S                     | S                    | S                     |                    |                         |
| Ampicillin                    | I                  |                  | S                   | S                | S                 | S                      | S                      |                  | S                     | S                | S                    | S                     | S                    | S                     |                    |                         |
| Ceftazidime                   | R                  |                  | S                   | R                | R                 | I                      | I                      |                  | I                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Chloramphenicol               | R                  |                  | I                   | S                | S                 | I                      | I                      |                  | I                     | R                | R                    | R                     | I                    | R                     |                    |                         |
| Ciprofloxacin                 | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Clindamycin                   | S                  |                  | I                   | S                | S                 | I                      | I                      |                  | I                     | I                | S                    | S                     | S                    | S                     |                    |                         |
| Cloxacillin                   | R                  |                  | S                   | R                | R                 | S                      | S                      |                  | S                     | I                | I                    | R                     | S                    | R                     |                    |                         |
| Dicloxacillin                 | R                  |                  | S                   | R                | R                 | S                      | S                      |                  | S                     | S                | S                    | R                     | S                    | R                     |                    |                         |
| Erythromycin                  | I                  |                  | I                   | S                | S                 | S                      | S                      |                  | S                     | I                | S                    | I                     | S                    | I                     |                    |                         |
| Gentamicin                    | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Imipenem                      | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Kanamycin                     | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Neomycin                      | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Nitrofurantoin                | R                  |                  | R                   | I                | I                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Penicillin G                  | S                  |                  | S                   | S                | S                 | S                      | S                      |                  | S                     | S                | S                    | R                     | S                    | S                     |                    |                         |
| Polymixin B                   | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Rifampicin                    | I                  |                  | S                   | R                | R                 | S                      | I                      |                  | S                     | S                | S                    | S                     | S                    | R                     |                    |                         |
| Streptomycin                  | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Sulfamethoxazole              | R                  |                  | R                   | R                | R                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Tetracycline                  | R                  |                  | R                   | R                | R                 | R                      | I                      |                  | S                     | R                | R                    | R                     | I                    | R                     |                    |                         |
| Trimethoprim                  | R                  |                  | R                   | S                | S                 | R                      | R                      |                  | R                     | R                | R                    | R                     | R                    | R                     |                    |                         |
| Vancomycin                    | R                  |                  | S                   | R                | R                 | S                      | S                      |                  | S                     | R                | R                    | R                     | R                    | R                     |                    |                         |

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|-------------------------------|--------------------|------------------|---------------------|------------------|-------------------|------------------------|------------------------|------------------|-----------------------|------------------|----------------------|-----------------------|----------------------|-----------------------|--------------------|-------------------------|
| <b>Bile Tolerance</b>         | +++                | +                | ++                  | ++++             | ++++              | ++++                   | +++                    |                  | +                     | +++              | +                    | ++++                  | ++++                 | +++                   |                    | ++++                    |
| <b>L/D Lactate Production</b> | ++++               | ++++             | ++++                | ++++             | ++++              | +++                    | +++                    |                  | ++                    | +++              | ++++                 | +                     | ++++                 | +++                   |                    | +++                     |
| <b>Pathogen Inhibition</b>    |                    |                  |                     |                  |                   |                        |                        |                  |                       |                  |                      |                       |                      |                       |                    |                         |
| C. difficile                  |                    |                  |                     |                  |                   |                        |                        |                  |                       |                  |                      |                       |                      |                       |                    |                         |
| E. coli                       | +++                |                  | ++                  |                  |                   | ++                     | ++                     |                  | ++                    | +++              |                      | ++                    | +++                  | +++                   |                    | +++                     |
| Listeria monocytogenes        | ++                 |                  | +                   |                  |                   | +                      | +                      |                  | ++                    | ++               |                      | ++                    | ++                   | ++                    |                    | ++                      |
| Salmonella typhimurim         | ++                 |                  | +                   |                  |                   | +                      | +                      |                  | +                     | ++               |                      | ++                    | ++                   | ++                    |                    | ++                      |
| Staphylococcus aureus         | ++++               |                  | +                   |                  |                   | ++++                   | ++++                   |                  | ++++                  | ++               |                      | ++                    | ++++                 | ++++                  |                    | ++++                    |

