

## Molecular Biology Reagent Mixtures — Ready-to-Use and Storage at Ambient Temperature

### Robust replacement of liquid reagents for classical diagnostic products or research reagents

#### The solution: Freeze-Dried Applyo Beads

- Spheres of lyophilized sensitive reagents pre-mixed, ready to use and portioned for single reactions.
- Beads with Ø 2–8 mm and volumes of 4–300 µL
- Instant resuspension in aqueous solutions

#### Benefits of Applyo Beads

- Shipping and storage at ambient temperature up to +40°C
  - **No dry-ice** or cold chain required
  - Lower costs
- Large shelf life of reagents and complex mixtures for up to 2 years
- Large homogenous batches proven with PCR-, RT-PCR-mixes, RPA, NEAR, antibodies

#### User benefits

- **For development and academic research labs**
  - Less mistakes in routine procedures by simplification of application protocols
  - Less work by reduced number of pipetting steps
  - Less risk of contamination by nucleic acids or enzymes
  - Explicitly cutting need for consumables and less plastic waste
- **For reagent suppliers and diagnostic industry**
  - Dedicated customized solutions for optimized reagent mixtures and freeze drying process
  - Consolidated supply chains by purchasing complete reagent blends from one source

- Faster time to market by capitalizing on Applyo's expert knowledge
- Mechanically stable and low abrasion suitable for industrial transport and handling
- Transport as bulk-ware or single bead in tubes or MTP cavities

#### With Applyo you get

- Unique freeze drying technology
- Fully developed manufacturing **process under GxP guidelines**
- High Quality according to 21 CFR 820 and IVDR
- Application in **serial production for diagnostic products**
- Experience with **production volumes of > 1 Mio pieces / year**
- **Contamination-free** (nucleic acids, DNases, RNases) production process

#### Please contact us for further information

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