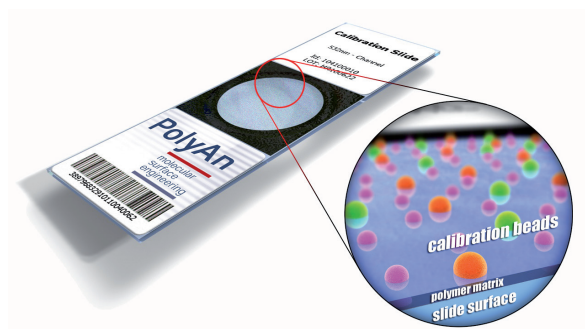


## Calibration Slides

- For the routine calibration of fluorescence microscopes
- For automated fluorescence imaging systems, e.g. scanning cytometry

PolyAn's calibration slides are designed for the routine calibration of confocal fluorescence microscopes and other fluorescence imaging systems. They are prepared by mounting statistically distributed monodisperse PMMA beads that contain ultra-stable fluorophores onto standard 75 x 25 x 1 mm glass slides. The beads are protected from mechanical stress with a coverglass.

### Available for three different emission wavelengths



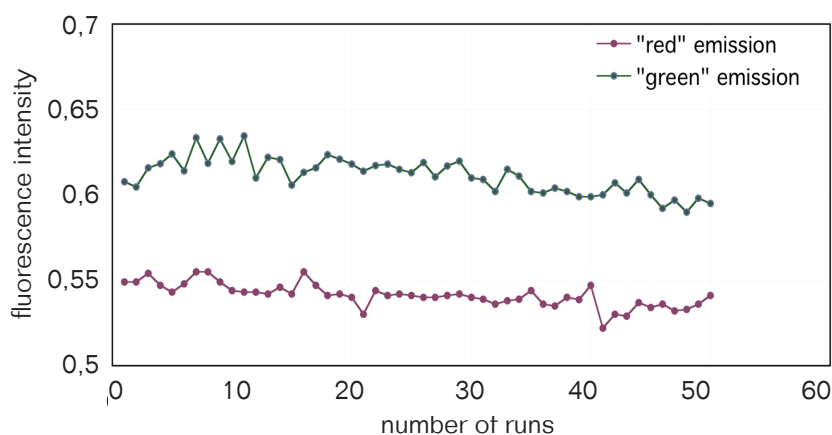
- Blue emission channel e.g. DAPI
- Green emission channel e.g. FITC, Cy3<sup>®</sup>
- Red emission channel e.g. APC, Cy5<sup>®</sup>

Other wavelengths are available on request.

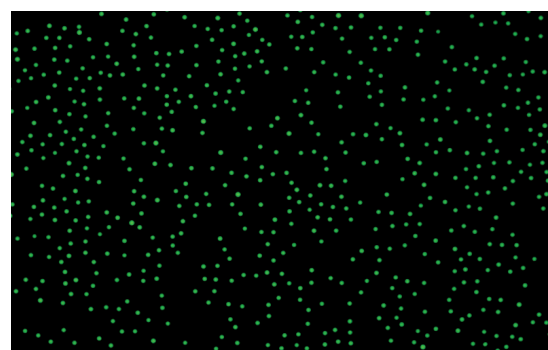
The bead size and fluorescence intensity can be tailored to your read-out system.

### Characteristics

- Monolayer of fluorescent beads on glass slides
- High photostability (see below)
- Homogeneous particle size and fluorescence intensity
- Single particles, no particle aggregates and homogeneous, statistical particle distribution
- Excellent slide-to-slide and batch-to-batch reproducibility, CV < 3%
- Long term stability: less than 0.5 % decrease in fluorescence intensity after 1 month at 37°C
- Standard size: 75 x 25 x 1 mm glass slides, alternative formats are available upon request



**Photostability:** slides coated with "Green" and "Red" emitting beads were measured multiple times over a period of 50 days. The fluorescence intensity after more than 50 measurements exceeded 97 % of the initial intensity for both dyes, underlining their excellent photostability.



Fluorescence image of a calibration slide (green channel): homogeneous particle distribution, no aggregates

\* Cy<sup>®</sup> is a trademark of Amersham Biosciences Corp.

## High Performance Consumables

PolyAn is a nanotechnology company specialized in the modification of surfaces using Molecular Surface Engineering (MSE). Since 1996 PolyAn develops and manufactures consumables for multiplex diagnostic and LifeScience research.

### Molecular Surface Engineering Services

PolyAn is able to equip almost any substrate with our reactive matrices for selective immobilization and antifouling surfaces for the reduction of cell adhesion and unspecific binding, respectively. As part of our Molecular Surface Engineering services, we offer functionalized consumable and substrate materials for OEM applications, which are tailored to specified customer requirements.

We are looking forward to your telephone orders and technical enquiries at our Customer Service and Technical Service Department Monday-Friday. Office hours for telephone enquiries are 9:00 AM to 6:00 PM (Central European Time). Please mention billing and shipping addresses, product-ID, quantity, your phone number or e-mail and name.

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